DENON

PROFESSIONAL MEDIA PLAYER & CONTROLLER

DN-HD2500

OPERATING INSTRUCTIONS

BEDIENUNGSANLEITUNG

MODE D'EMPLOI

ISTRUZIONI PER L'USO

INSTRUCCIONES DE FUNCIONAMIENTO

GEBRUIKSAANWIJZING

BRUKSANVISNING

操作说明书

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT TO SAFETY

WARNING:

To reduce the risk of fire and electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION:

1. **Handle the power supply cord carefully**
   Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.
2. **Do not open the rear cover**
   In order to prevent electric shock, do not open the top cover.
   If problems occur, contact your DENON DEALER.
3. **Do not place anything inside**
   Do not place metal objects or spill liquid inside the system.
   Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.
Model No. DN-HD2500
Serial No. _____

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

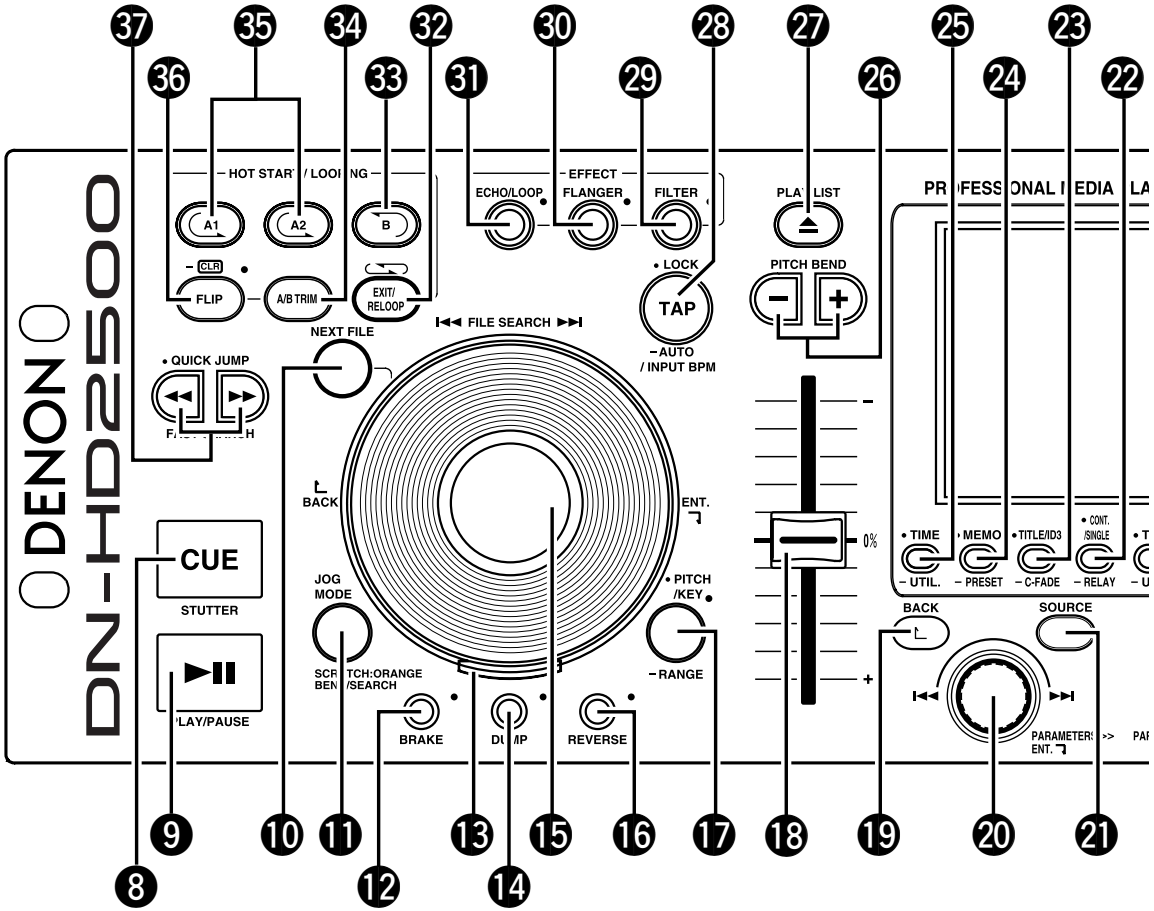
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

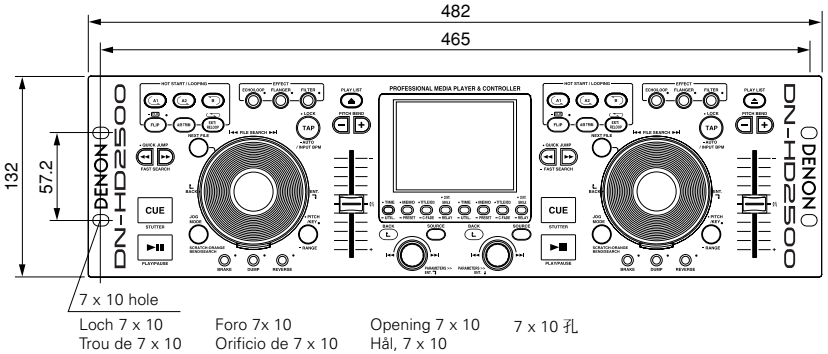
Additional Safety Information!

15. Marked terminals are HAZARDOUS LIVE and that the external wiring connected to those terminal requires installation by an instructed person or the use of ready-made leads or cords.

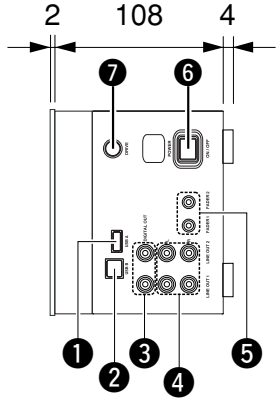
TOP PANEL DIAGRAM /
ÜBERSICHT AUF DER SCHALTTAFEL OBEN /
SCHEMA DU PANNEAU SUPERIEUR /
ILLUSTRAZIONE PANNELLO SUPERIORE /
DIAGRAMA DEL PANEL SUPERIOR /
DIAGRAM BOVENPANEEL /
ÖVERSIKT ÖVER TOPPANELEN /
顶面板视图



FRONT PANEL DIAGRAM /
ÜBERSICHT AUF DER SCHALTTAFEL VORNE /
SCHEMA DU PANNEAU AVANT /
ILLUSTRAZIONE PANNELLO ANTERIORE /
DIAGRAMA DEL PANEL FRONTAL /
DIAGRAM VOORPANEEL /
ÖVERSIKT ÖVER FRONTPANELEN /
前面板视图

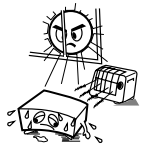


SIDE PANEL DIAGRAM /
ÜBERSICHT AUF DER SCHALTTAFEL AN DER SEITE /
SCHEMA DU PANNEAU LATERAL /
ILLUSTRAZIONE PANNELLO LATERALE /
DIAGRAMA DEL PANEL LATERAL /
DIAGRAM ZIJPANEEL /
ÖVERSIKT ÖVER SIDOPANELEN /
侧面板视图



Unit:	mm
Gerät:	mm
Unité:	mm
Unità:	mm
Unidad:	mm
Eenheid:	mm
Enhet:	mm
単位:	mm

NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA



- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Vermeiden Sie hohe Temperaturen.
  Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées
  Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature alte.
  Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas
  Permite la suficiente dispersión del calor cuando está instalado en la consola.
- Vermijd hoge temperaturen.
  Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer.
  Se till att det finns möjlighet till god värmeavledning vid montering i ett rack.

- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Gehen Sie vorsichtig mit dem Netzkabel um.
  Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.
- Manipuler le cordon d'alimentation avec précaution.
  Tenir la prise lors du débranchement du cordon.
- Manneggiate il filo di alimentazione con cura.
  Agite per la spina quando scollegate il cavo dalla presa.
- Maneje el cordón de energía con cuidado.
  Sostenga el enchufe cuando desconecte el cordón de energía.
- Hanteer het netsnoer voorzichtig.
  Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld.
- Hantera nätkabeln varsamt.
  Håll i kabeln när den kopplas från el-uttaget.

- Keep the apparatus free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et lapoussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.

- Unplug the power cord when not using the apparatus for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.
- Neem altijd het netsnoer uit het stopkontakt wanneer het apparaat gedurende een lange periode niet wordt gebruikt.
- Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.

* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Die Belüftungsöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
- Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden beblokkeerd.
- Täpp inte till ventilationsöppningarna.

- Do not let foreign objects in the set.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- No deje objetos extraños dentro del equipo.
- Laat geen vreemde voorwerpen in dit apparaat vallen.
- Se till att främmande föremål inte tränger in i apparaten.

- Do not let insecticides, benzene, and thinner come in contact with the set.
- Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- Assicuratevvi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.
- Laat geen insektenverdelgende middelen, benzine of verfverdunner met dit apparaat in kontakt komen.
- Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje.

- Never disassemble or modify the apparatus in any way.
- Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Non smontate mai, nè modificate l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Nooit dit apparaat demonteren of op andere wijze modifiëren.
- Ta inte isär apparaten och försök inte bygga om den.

CAUTION:
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- Do not expose the set to dripping or splashing fluids.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

ACHTUNG:
- Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden.
- Auf dem Gerät sollten keinerlei direkten Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.
- Bitte beachten Sie bei der Entsorgung der Batterien die geltenden Umweltbestimmungen.
- Das Gerät sollte keinerlei Flüssigkeit, also keinem Tropfen oder Spritzen ausgesetzt werden.
- Auf dem Gerät sollten keinerlei mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.

ATTENTION:
- La ventilation ne doit pas être gênée en recouvrant les ouvertures de la ventilation avec des objets tels que journaux, rideaux, tissus, etc.
- Aucune flamme nue, par exemple une bougie, ne doit être placée sur l'appareil.
- Veillez à respecter l'environnement lorsque vous jetez les piles usagées.
- L'appareil ne doit pas être exposé à l'eau ou à l'humidité.
- Aucun objet contenant du liquide, par exemple un vase, ne doit être placé sur l'appareil.

PRECAUZIONI:
- Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via.
- Non posizionare sull'apparecchiatura fiamme libere, come ad esempio le candele accese.
- Prestare attenzione agli aspetti legati alla tutela dell'ambiente quando si smaltisce la batteria.
- L'apparecchiatura non deve essere esposta a gocciolii o spruzzi.
- Non posizionare sull'apparecchiatura nessun oggetto contenete liquidi, come ad esempio i vasi.

PRECAUCIÓN:
- La ventilación no debe quedar obstruida por hacerse cubierto las aperturas con objetos como periódicos, manteles, cortinas, etc.
- No debe colocarse sobre el aparato ninguna fuente inflamable sin protección, como velas encendidas.
- A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente.
- No se expondrá el aparato al goteo o salpicaduras cuando se utilice.
- No se colocarán sobre el aparato objetos llenos de líquido, como jarros.

WAARSCHUWING:
- De ventilatie mag niet worden belemmerd door de ventilatieopeningen af te dekken met bijvoorbeeld kranten, een tafelkleed, gordijnen, enz.
- Plaats geen open vlammen, bijvoorbeeld een brandende kaars, op het apparaat.
- Houd u steeds aan de milieuvoorschriften wanneer u gebruikte batterijen wegdoet.
- Stel het apparaat niet bloot aan druppels of spatten.
- Plaats geen voorwerpen gevuld met water, bijvoorbeeld een vaas, op het apparaat.

OBSERVERA:
- Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar, gardiner osv.
- Inga blottade brandkällor, såsom tända ljus, bör placeras på apparaten.
- Tänk på miljöaspekterna när du bortskaffar batteri.
- Apparaten får inte utsättas för vätska.
- Inga objekt med vätskor, såsom vaser, får placeras på apparaten.

- **DECLARATION OF CONFORMITY**
  We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
  EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
  Following the provisions of 73/23/EEC, 2004/108/EC and 93/68/EEC Directive.
- **ÜBEREINSTIMMUNGSERKLÄRUNG**
  Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:
  EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.
  Entspricht den Verordnungen der Direktive 73/23/EEC, 2004/108/EC und 93/68/EEC.
- **DECLARATION DE CONFORMITE**
  Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants:
  EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.
  D'après les dispositions de la Directive 73/23/EEC, 2004/108/EC et 93/68/EEC.
- **DICHIARAZIONE DI CONFORMITÀ**
  Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative:
  EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.
  In conformità con le condizioni delle direttive 73/23/EEC, 2004/108/EC e 93/68/EEC.
  QUESTO PRODOTTO E' CONFORME
  AL D.M. 28/08/95 N. 548
- **DECLARACIÓN DE CONFORMIDAD**
  Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:
  EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.
  Siguiendo las provisiones de las Directivas 73/23/EEC, 2004/108/EC y 93/68/EEC.
- **EENVORMIGHEIDSVERKLARING**
  Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:
  EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.
  Volgens de bepalingen van de Richtlijnen 73/23/EEC, 2004/108/EC en 93/68/EEC.
- **ÖVERENSSTÄMMELSESINTYG**
  Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:
  EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.
  Enligt stadgarna i direktiv 73/23/EEC, 2004/108/EC och 93/68/EEC.

A NOTE ABOUT RECYCLING:
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste.
This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries.

HINWEIS ZUM RECYCLING:
Das Verpackungsmaterial dieses Produktes ist für zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.
Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.
Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte geben Sie die Batterien gemäß örtlichen Bestimmungen an den Sammelstellen oder Sondermüllplätzen ab.
Dieses Produkt zusammen mit den Zubehörteilen ist das geltende Produkt der WEEE-Direktive, davon ausgenommen sind die Batterien.

UNE REMARQUE CONCERNANT LE RECYCLAGE:
Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer de tout matériau conformément aux réglements de recylage locaux.
Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations locales.
Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux réglements locaux concernant les déchets chimiques.
Ce produit et les accessoires emballés ensemble sont des produits conformes à la directive DEEE sauf pour les piles.

NOTA RELATIVA AL RICICLAGGIO:
I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.
Per smaltire l'unità, osservare la normativa in vigore nel luogo di utilizzo.
Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.
Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

ACERCA DEL RECICLAJE:
Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.
Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.
Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.
Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

EEN AANTEKENING WAT BETREFT HET RECYCLEREN:
Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften.
Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op.
Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.
Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

EN KOMMENTAR OM ÅTERVINNING:
Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.
När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.
Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.
Denna apparat och de tillbehör som levereras med den är de som uppfyller gällande WEEE-direktiv, med undantag av batterierna.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:
Um dieses Gerät vollständig von der Stromversorgung abzutrennen, trennen Sie bitte den Netzstecker von der Wandsteckdose ab.
Die Hauptstecker werden verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

PRECAUTION:
Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.
La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

ATTENZIONE:
Per scollegare definitivamente questo prodotto dalla rete di alimentazione elettrica, togliere la spina dalla relativa presa.
La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN:
Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.
El enchufe de la alimentación se utiliza para interrumpir por completo el suministro de alimentación a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

VOORZICHTIGHEID:
Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.
De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT:
Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.
Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren.

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• ACCESSORIES

Check that the following parts are included in addition to the main unit:

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1 MAIN FEATURES

Congratulations on your new purchase of the DN-HD2500. The DN-HD2500 rack mount MEDIA player is equipped with a variety of advanced features, functions and rich performance for unlimited creativeness and showmanship.

Features and Functions

1. Internal 40 GB HDD
The DN-HD2500 includes an internal 40 GB HDD, large enough to store thousands of your most popular requested music. This compelling utility allows the DN-HD2500 to be used as your new primary "plug and play" full featured compact system. Additionally, the DN-HD2500 can be used as a backup system for those DJ's currently using laptops.

2. External USB Device Support
Got a portable music collection stored on external USB media?
No problem the DN-HD2500 can support multiple external USB mass storage class devices direct or via a USB 2.0 hub (sold separately). Connect your, iPod®, Jump Drive, and large USB Hard Drives for easy access to your small or extensive MP3/WAV libraries. Simply plug these devices into the DN-HD2500 to obtain the powerful on-board features such as, Instant Start, Seamless Looping, Scratching and File Searching, just to name a few.
*Up to 4 storage devices can be connected at once.

3. DN-D4500/DN-D4000 Drive Support
The DN-D4000 and its successor, DN-D4500 are two of the most popular dual CD/MP3 players in the world, which is why the drive transport section was chosen to be supported natively by the DN-HD2500. Existing owners of these two CD/MP3 players can easily upgrade to the DN-HD2500, which will act as your new controller and media center. CD Media, Internal HDD and External devices are all conveniently available at your fingertips.

4. Keyboard Support
The DN-HD2500 will support any standard USB keyboard for simplified song search of Artist, Album, Title, Genre, Year, BPM and Playlists.

5. SCRATCH
The JOG disc construction consists of clear JOG disc, slip sheet to ensure the same feeling and performance as found in an analog turntable.

6. MP3/WAV PLAY BACK
It is possible to play MP3 files created in the specified format found on page 24.
Files can be searched for easily either manually, or by scanning or using a number of file search functions (Artist, Album, Title, Genre, Year, BPM, File Name)

7. NEXT FILE RESERVE
The next file can be selected while continuing to play the current file for a seamless transition.

8. Cross Fade
In conjunction with the Next File feature, the DN-HD2500 can perform a smooth internal cross fade when transitioning to the new file.

9. HOT START and STUTTER
The Hot Start function lets you start playback immediately from a set point decided by you. Up to two points can be set using the A1 and A2 buttons. The loaded Hot Starts can also be used to "Stutter" those same points. When in Stutter mode, momentary audio is triggered according to the length of time of which these buttons are held down and released.

10. SEAMLESS LOOP
With this function, any section on a file or playlist can be played repeatedly between A & B points with no break in sound or limit in length. The DN-HD2500 has a variety of looping options such as Exit. Reloop and dual looping.

11. A/B TRIM
The A or B points for the Seamless Loop can easily be adjusted using the JOG disc. Adjustments can be made in real-time while playing the live loop.

12. AUTO BPM COUNTER, BPM LOCK, MANUAL TAP, and MANUAL BPM INPUT
In addition to the Auto BPM counter and Manual Tap function, the DN-HD2500 is also equipped with a Lock function for temporarily locking the Auto BPM counter. A Manual BPM Input function is available too for inputting the known BPM value directly by a Rotary knob, so the BPM setting can be made easily.

13. ON BOARD EFFECT'S
Six types of effectors are included.
ECHO/LOOP: The ECHO and LOOP functions can be selected. Looping for the feedback time (ECHO LOOP) is possible by setting the feedback number to "MAX".
FLANGER: The feedback time and feedback gain can be selected.
FILTER: One of three filters (LOW PASS, MID PASS and HIGH PASS) can be selected and Individually adjusted.

14. PLATTER MODE
Analog turntable-like playback can be simulated using three Platter effects.
DUMP: Plays the sound backwards while continuing in a forward motion without losing "elapse time" when you return back to normal play. (Like a radio edit)
BRAKE: Simulates a winding-down sound of a turntable coming to a full stop slowly. (Slowing-down time can be adjusted.)
REVERSE: (Reverse) Plays the sound backwards until you return to normal play.

15. MEMO
Cue point, BPM, Pitch Setting & Range, Pitch ON/OFF, Key Adjust ON/OFF, and Seamless Loop A and B data can be stored directly to the file for later recall.

16. PITCH/KEY ADJUST
PITCH: Playback speed is adjusted with PITCH slider. Adjustable pitch ranges are +/– 4, 10, 16, 24, 50, 100 % (selectable live).
KEY ADJUST: Keeps the original key even if the pitch playing speed is changed with the PITCH slider.

17. DIGITAL OUT
The digital output for Main provides a true 100 % digital signal without any restrictions or limitations regardless of pitch change or mode setting.

18. FADER START
The DN-HD2500 FADER START controls are compatible with our DN-X500, DN-X900 or DN-X1500S mixers.

19. PRESETS
It is possible to customise the machine to your preference by saving your favourite setting to internal memory. For items found in the presets, please see page 23.

20. Power on Play
The player can be set so that playback starts when the power is turned on.

21. Relay Play
When this mode is set, Deck1 and Deck2 starts playback alternately.
This unit can relay the playback of Deck1 and Deck2.

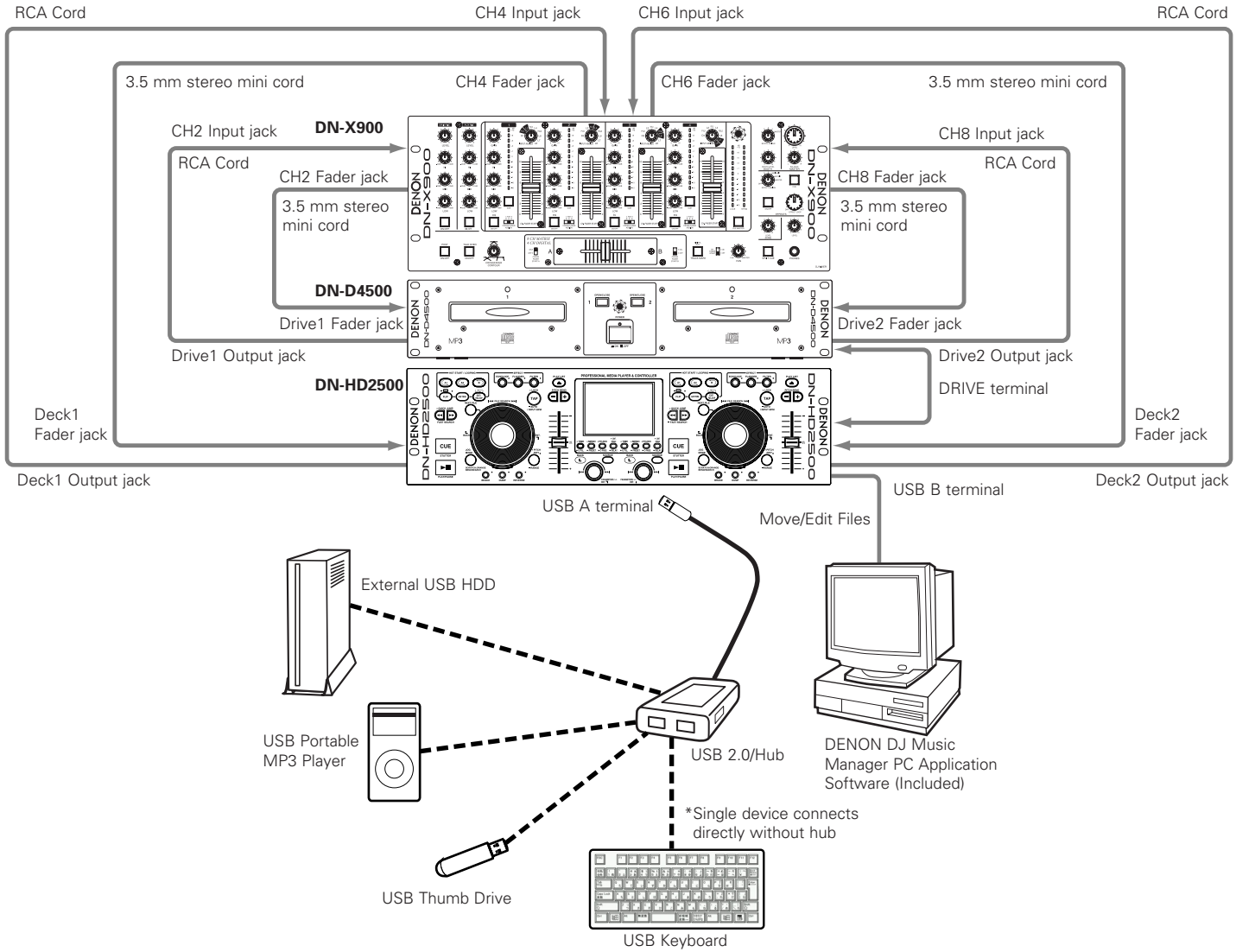
22. Software Upgradeable by USB
From time to time we will make subtle improvements to current features or add new compelling ones based on valuable user feedback. These new Plug Ins are always free and made available via our "www.denondj.com" website. You should register your DN-HD2500 at "www.denondj.com" to receive these free software announcements via e-mail.

2 CONNECTIONS/INSTALLATION

(1) CONNECTIONS

1. Turn off the POWER switch.
2. Connect the RCA pin cords to the inputs on your mixer.

CAUTION:
- Be sure to use the supplied control cord. Using another type of cable may result in damage.
- Be sure the power is off when connecting the control cord. Otherwise the units may not work properly.



About connected devices

1. HDD (Internal HDD / External USB HDD)

CAUTION:
The HDD is a delicate recording medium including many fragile parts.
When using, be careful of the points listed below.

- Cautions on the installation environment
  ① Do not obstruct the ventilation holes on the side and bottom panels.
  ② Install in a place not subject to heavy vibrations or shocks.
  ③ Do not install next to amplifiers or other devices that become hot during usage.
  ④ Install in a smoke-free room. (Cigarette smoke, seasoning smoke, insecticides and the likeness can damage the HDD.)
- Cautions during operation
  To prevent partial damage to the HDD's recording surface and malfunction of the HDD, pay attention to the points listed below during operation.
  ① Do not subject to vibrations or shocks.
  ② Do not turn off the power or unplug the power cord. Make sure the HDD indicator is not flashing when turning the power off. (If the power is turned while the HDD is being accessed, the contents recorded on the HDD could be lost.)
- Backing up the HDD
  By way of precaution against failure of the HDD, we recommend periodically backing up the HDD's data onto a computer.
- Exemption from responsibility related to reparations regarding recorded contents
  Please note that DENON will accept no responsibility whatsoever for compensation due to inability to record normally, nor for damages such as loss of recorded contents, regardless of the cause.

- About formats, etc. (the following applies to USB memory devices and all other sorts of mass storage devices)
  ① The DN-HD2500 is compatible with FAT16 and FAT32 formats.
  ② Maximum number of files – 50,000/device. (**note #1**)
  ③ Maximum number of folders – 5,000/device.
  ④ Folder structure – Up to 9 layers. (**note #2**)
  ⑤ For drives formatted in multiple partitions, the DN-HD2500 only recognizes the top volume (partition), so when using such drives, move the files you want to play to the top volume.
  ⑥ Because a database is created, use a device with at least 20 MB of free space.

note #1 If the number of files exceeds 50,000, the unit can play first 50,000 registered files, and no further files are recognized.

note #2 Cannot playback files in a folder located further from the specified Folder/directory hierarchical level.

2. USB Hub

① Up to 4 mass storage devices and 1 keyboard can be connected.
② It is not possible to connect multiple USB hubs.
③ Be sure to use hi-speed compatible devices to ensure transfer performance.
(Products marked with the hi-speed USB logo recommended)
④ Bus power type USB hubs have a low power supply capacity, so the operation of the USB device connected to such hubs may be unstable. When using USB HDDs which require strong power or when using multiple USB devices, be sure to use a self-powered type USB hub.
⑤ When using a self-powered type USB hub, be sure to supply power to it when using it.
⑥ If a USB device connected to the USB hub is not recognized by the DN-HD2500, try disconnecting then reconnecting the device. If there are multiple devices connected to the hub, in some cases they will be recognized if the order in which they are connected is changed. It is best to connect one device at a time to check if it is recognized, then add more devices, checking each time.
⑦ Turn the power of the DN-HD2500 off when connecting the USB hub to it.

3. USB Keyboard

① Only "QWERTY" type keyboard layouts are supported.
② Do not connect multiple units. Doing so will prevent proper operation.
③ The DN-HD2500 can be operated from the keyboard. For the usable keys and their functions, refer to the table below.

	Keyboard	DN-HD2500 Front Panel Button
1	↑	PARAMETERS knob (Scroll Up)
2	↓	PARAMETERS knob (Scroll Down)
3	ENTER	Pushing PARAMETERS knob
4	ESC	BACK button
5	TAB	Change Deck (Keyboard input)
6	INSERT	SOURCE button
7	Windows	PLAY LIST button
8	ALT	NEXT FILE button

NOTE:
- Keys (characters) other than the ones on the above table are used when inputting characters. For a list of the characters that can be used, see the section called "ABOUT CHARACTER INPUT".

4. All types of USB devices

① Operation of the USB device may be unstable when using the bus power only.
② Depending on the USB devices' specifications, some devices may not be identified, for example when using multiple devices.
③ If the USB device is not recognized, it might be recognized if it is disconnected then reconnected.
④ Devices on which power is supplied from the device to the host equipment side in a way not conforming to USB standards could damage the host equipment. Do not use such devices.
⑤ Do not disconnect a USB device when it is selected to be operated by the DN-HD2500 or when the database is being created. Disconnecting while the device is being accessed could damage files, etc.
⑥ For large capacity USB devices and USB devices that are not specifically designed for data storage (MP3 players, etc.), it may take some time for the device to be recognized after it is connected to the DN-HD2500.
⑦ Use devices in agreement with or conforming to compliance tests.

5. PC

① Computer on which the Windows XP Service Pack 2 operating system is installed
② HDD with enough free space for DENON DJ Music Manager to operate
③ USB 2.0 connection terminal

NOTE:
- When connecting the DN-HD2500 to a computer, do not use any software other than DENON DJ Music Manager.
The data on the HDD may be destroyed and the DN-HD2500 may be damaged if any software other than DENON DJ Music Manager is used.

6. DN-D4000/4500/BU4500 Drive Unit

① For a description of the functions and handling of the DN-D4000/4500/BU4500, refer to the respective model's operating instructions.
② Refer to the separate table for the correspondence between the front panel keys of the DN-D4000/4500/BU4500 and DN-HD2500.
③ If the drive unit's power is turned off while DN-HD2500 is in the drive unit control mode, the device selected for operation switches automatically to the DN-HD2500's internal hard disk.
④ In the case of ③, the drive unit cannot be reconnected to the DN-HD2500 simply by turning its power back on. To reconnect it, you must either disconnect then reconnect the connection cable between the DN-HD2500 and the drive unit or turn the DN-HD2500's power off then back on.

7. iPod®

① Only Windows format iPods® can be used. Macintosh format iPods® cannot be used.
② MP3/WAV files transferred from iTunes® to an iPod® are read-only files, so the MEMO function cannot be used with them.
③ In iTunes®, place a check mark at "Manually manage music" in "Summary" – "Options".
④ MP3/WAV files transferred from iTunes® to an iPod® are managed with iPod's® specific file names, so it is not possible to search using the original file names. We recommend searching using ID3 tags (artist, album, title, genre, year, BPM, etc.).
✻ iPod® and iTunes® are trademarks or registered trademarks of Apple Computer, Inc.

8. Others

① With the DN-HD2500, the software can be updated using a USB device, but note that some time may be required for the device to be recognized.
② Do not use cables other than those conforming to USB standards. Using modified USB cables could damage the DN-HD2500.
③ If there is a large number of files stored in folders on the device, searching may take some time and operation may be unstable. Keep the number of files per folder to under 1000.

	DN-HD2500	DN-D4000	DN-D4500
1	PLAY/PAUSE	PLAY/PAUSE	PLAY/PAUSE
2	CUE/STUTTER	CUE	CUE/STUTTER
3	JOG MODE	JOG MODE/BRAKE	–
4	JOG disc	JOG wheel	JOG wheel
5	•QUICK JUMP, FAST SEARCH	SHUTTLE ring	SHUTTLE ring
6	A1	A1	A1
7	A2	A2	A2
8	B	B	B
9	FLIP	FLIP	FLIP
10	A/B TRIM	–	B TRIM
11	EXIT/RELOOP	EXIT/RELOOP	EXIT/RELOOP
12	NEXT FILE	–	–
13	ECHO/LOOP	–	–
14	FLANGER	–	–
15	FILTER	–	–
16	TAP, •LOCK, –AUTO/INPUT BPM	–	–
17	PLAYLIST	OPEN/CLOSE	OPEN/CLOSE
18	BRAKE	–	BRAKE
19	DUMP	–	–
20	REVERSE	–	–
21	•PITCH/KEY, –RANGE	•PITCH, –RANGE	•PITCH/KEY, –RANGE
22	PITCH SLIDER	PITCH SLIDER	PITCH SLIDER
23	PITCH BEND +/–	PITCH BEND +/–	PITCH BEND +/–
24	•TIME, –UTIL.	•TIME, –TOTAL	•TIME, –TOTAL
25	•MEMO, –PRESET	•MEMO, –PRESET	•MEMO, –PRESET
26	•TITLE/ID3, –C-FADE	•TITLE, –FOLDER	TITLE
27	•CONT./SINGLE, –RELAY	•CONT./SINGLE, –RELAY	•CONT./SINGLE, –RELAY
28	BACK	–	–
29	SOURCE	(Display the "SOURCE" selection screen)	(Display the "SOURCE" selection screen)
30	PARAMETERS	TRACK SELECT	TRACK SELECT, –MP3 SEARCH MODE

3 PART NAMES AND FUNCTIONS

(1) Side panel

❶ USB A terminal
- Connect a mass storage device, USB keyboard or USB hub.

❷ USB B terminal
- Connect a computer.
- MP3/WAV files and playlist files are transferred between the computer and the DN-HD2500.

❸ Digital output terminals
- Digital data is available from this terminals.
- Use 75 Ω/ohms pin cord for connection.
- We recommend you use braided wire type shielded cable.

NOTE:
- The playback level after analog conversion is set to –6 dB below the usual level to avoid digital distortion.

❹ Analog output terminals (LINE OUT)
- This is unbalanced RCA output terminals.
- Audio signals outputs.

❺ Fader start terminals
- Use this when your mixer has the Fader Start function.

❻ POWER button (▂ON ▀OFF)
- Push this button to turn power on and off.

❼ DRIVE terminal
- Connect the DN-D4000/4500/BU4500 drive unit. For instructions on operating the DN-D4000/4500/BU4500, refer to the respective model's operating instructions.

(2) Front panel

CAUTION:
- Note that there are many buttons working two different function selected by short time pushing or long pushing (1second or more). The " ● " mark indicates short time push function and " ▬ " mark indicates long time push function.

❽ CUE/STUTTER button
- Pushing this button in play mode will force the file back to the position which playback started. While in search mode, it makes new Cue point. (Cue)
- In Cue mode, by pushing the CUE button makes a Stutter sound from the Cue point. This is called Stutter play. (Stutter)

❾ PLAY/PAUSE button (►❚❚)
- This button will start or pause playback.
- Push once to start playback, once again to pause playback, and once more to resume playback.

❿ NEXT FILE button
If this button is pushed during playback, the NEXT FILE mode will be selected. The next file can be selected with the PARAMETERS knob.

⓫ JOG MODE button
Select from Scratch playback, Bend mode, File search or Manual Frame Search mode.
- **SCRATCH:**
  This button lights up or blinks in orange when scratching. Manipulate the sound by pushing down on the JOG disc.
- **BEND/SEARCH:**
  When the JOG mode is set to BEND during playback, it alternates as the pitch bend function. The display will indicate "Bend". When JOG mode is set to Search, during Pause or CUE mode, it alternates as the Manual Search function. Manual search allows you to move the CUE point around by one frame at a time (1/75 second) with an audible frame-repeat sound. The display will indicate "Search".

⓬ BRAKE button
- Push this button to set the BRAKE and adjust the parameter.

⓭ JOG indicator
- This vibrant blue bar provides JOG modes at a glance such as, Scratch Memory, Pitch Bend and Frame Search.

⓮ DUMP button
- Push this button to set the DUMP.

⓯ JOG disc
- Use this vinyl JOG for file search, scan, manual search, Pitch Bend and Scratch operations.

⓰ REVERSE button
- Push this button to set the REVERSE.

⓱ • PITCH/KEY, ▬ RANGE button
- **PITCH/KEY:**
  With this button you can select PITCH and KEY ADJUST mode. Mode changes Pitch on, Key Adjust on and both off cyclically. PITCH indicates in Pitch mode and KEY ADJUST indicator in the display lights up in Key Adjust mode.
- **RANGE:**
  Push this button for more than 1 sec to select the pitch range. The pitch range can be selected with the PARAMETERS knob from ±4, 10, 16, 24, 50 or 100 %.

⓲ Pitch Slider
- Use this slider to adjust playing speed.
- The playing speed decreases when slid upwards and increases downwards.

⓳ BACK button
- Press this button to return to the previous screen. A long-press shall return to the top menu.

⓴ PARAMETERS knob
- **PARAMETERS:**
  When the PARAMETER indicator is flashing, turn this knob to select and change the parameter for items found in the Platter effects, Memo, and Preset data, etc.
- **FILE SEARCH:**
  When PARAMETER indicator is on, turn this knob to select files.

㉑ SOURCE button
- Press this button to select the source (HDD, CD, USB1 to 4 or PC).

㉒ • CONT./SINGLE, ▬ RELAY button
- **CONT./SINGLE:**
  A short tap of this button will toggle between 3 possible END modes for playback CONT. (continue: plays all files) SINGLE (stops playing and ReCUE's back to your original set point), PLAYLOCK-see below.
- **SINGLE PLAY LOCK:**
  SINGLE PLAY LOCK can be selected by PRESET. When SINGLE PLAY LOCK is selected, file selection during playback is disabled. This prevents playback from stopping when the PARAMETERS knob is turned accidentally during playback. Play ending mode is the same as single.
- **RELAY:**
  You can turn on and off RELAY PLAY mode.

㉓ • TITLE/ID3, ▬ C-FADE button
- **TITLE/ID3:**
  When an MP3/WAV file has ID3 Tag data, the artist name, album name, genre, BPM, and year are displayed.
- **C-FADE:**
  Switches cross-fading on and off.

㉔ • MEMO, ▬ PRESET button
- **MEMO:**
  The MEMO mode starts when this button is pushed once in the Cue mode.
- **PRESET:**
  When this button is pushed for more than 1 sec, the PRESET mode menu is displayed.
  The machine status must be in CUE, PAUSE or No JOG mode before entering the preset mode.

㉕ • TIME, ▬ UTIL. button
- **TIME:**
  When this button is pressed, the time indicator switches between "ELAPSED" (elapsed time), "REMAIN" (remaining time), "T.ELAPSED" (total elapsed time) and "T.REMAIN" (total remaining time). (The "T.ELAPSED" and "T.REMAIN" indicators only light when in the playlist play mode.)
- **UTIL.:**
  The Utility mode is set when this button is long-pressed while both decks are in the cue.

㉖ PITCH BEND ± buttons
- Pushing these buttons will change main playing speed temporarily.
- While pushing PITCH BEND + button the playing speed increases and speed decreases while pushing PITCH BEND – button.
- When release button, playing speed returns to the previous speed.

㉗ PLAY LIST button
Switches the playback mode.
- **File Play:**
  Selects and plays an MP3/WAV file.
- **Playlist Play:**
  Selects a playlist file and plays the MP3/WAV files registered on that playlist (up to 99 songs can be registered).

㉘ TAP, • LOCK, ▬ AUTO/INPUT BPM button

- **TAP:**
  When you push this button repeatedly, the Auto mode turns off and starts measuring your Beats Per Minute (BPM) by tapping.
- **LOCK:**
  When this button is pressed once while the Auto BPM counter is operating, the data measured by the Auto BPM counter is locked.
- **AUTO:**
  When pushing the TAP button for 1 second, activates AUTO BPM mode.
  The measured BPM is displayed in the character section of the display.
- **INPUT BPM :**
  When the TAP button is pressed and held in for more than 2 seconds, the BPM input mode is set and the BPM value can be input directly with the PARAMETERS knob. When the TAP button is pressed again, the BPM input mode is turned off.

NOTE:

- If you select a new file, AUTO BPM mode turns on automatically.
- BPM data can be saved to the MEMO function.

㉙ FILTER button

- One of three filters (LOW PASS, MID PASS and HIGH PASS) can be selected.

㉚ FLANGER button

- The depth and delay time can be selected.

㉛ ECHO/LOOP button

- The ECHO and LOOP functions can be selected. The feedback level and delay time can be selected. Looping for the delay time (ECHO LOOP) is possible by setting the feedback level to "MAX".

㉜ EXIT/RELOOP button

- Use this to exit or return back again to Seamless loop playback. You can add variety to looping with this function.

㉝ B button

- Use this to set the B point for to create a Seamless Loop after the A point has been set.

㉞ A/B TRIM buttons

- When the button is pressed during playback, the *A/B TRIM MODE is selected. *Only when a seamless LOOP is set.

㉟ A1, A2 button

- Using this button you can create starting point for Hot Start, Seamless Loop and Stutter.

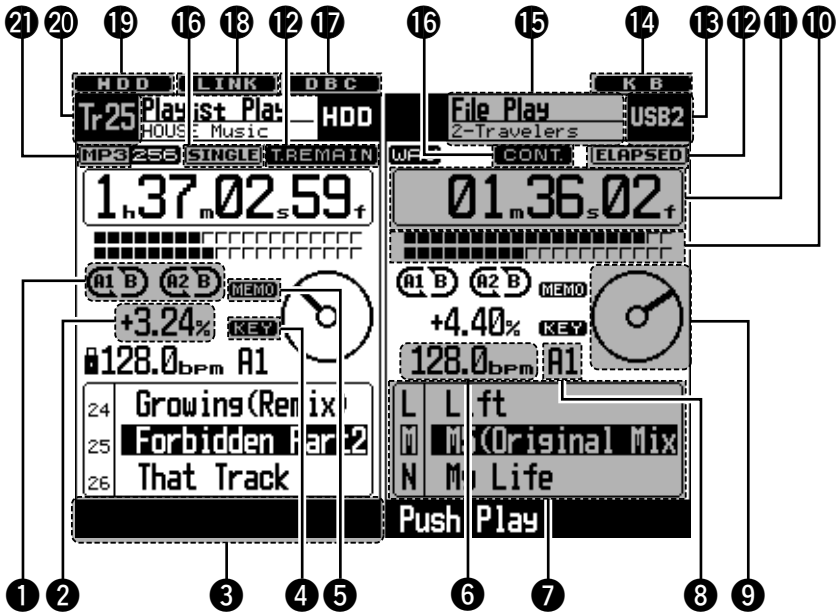
㊱ FLIP/CLR button

- **FLIP:**
  Use this to select operating mode of A1 and A2 buttons, from Hot Start mode and Stutter mode. The display will indicate "H/S" or "STR".
- **A1, A2 CLR:**
  If the A1 or A2 button is pushed while pushing the FLIP button, you can clear the selected A point.
  By holding down just the FLIP button for more than 1 sec, you can clear A1 and A2 points all at once.

㊲ FAST SEARCH (►►) QUICK JUMP button
FAST SEARCH (◄◄), QUICK JUMP button

- **QUICK JUMP:**
  When one of these buttons is tapped shortly, the playback position jumps approximately 10 seconds in the reverse (◄◄) or forward (►►) direction. The jump time can be changed in the preset mode.
- **FAST SEARCH:**
  When one of these buttons is pressed and held in, the disc is fast-searched in the reverse (◄◄) or forward (►►) direction.

(3) Display



❶ Loop mode indicators

- DN-HD2500 has Loop mode indicators which consist of A , B and two arrows. A and B marks indicate A and B points have been set.
- Two arrows indicate loop setting mode as follows.

(A1 B) or (A1 B) Left arrow only on:
Hot Start mode

(A1 B) Both arrows on:
Seamless Loop mode

(A1 B), (A1 B) Both arrows flashing:
Seamless Loop Playing

(A1 B), (A1 B) Left arrow on, right flashing:
Exit play from Seamless Loop

❷ Pitch display

- This indicator display the playback speed (pitch).

❸ Navigation display

- With the DN-HD2500, such operations as selecting the mode, etc., can be performed using the PARAMETERS knob following the instructions on the navigation display. The PARAMETER indicator flashes when it is possible to input using the PARAMETERS knob.

❹ KEY ADJ. indicator

- KEY ADJ. indicator appears in display when the Key Adjust mode is ON.

❺ MEMO indicator

- MEMO indicator appears in display when there is a memo setting found for the current playing File/Playlist or the File/Playlist at which the Cue standby mode is currently set.

❻ BPM indicators

- Lights when the BPM is displayed on the pitch display.

❼ Character display

- You can select the mode or function using PARAMETERS knob following the short message which is displayed on the character display area.
- The character display indicates the operation, mode name, data, etc., and displays such guide messages as "Push/Play" means if "YES", push PARAMETERS knob. The display indicates » and ↴ marks sometime, note that » mark says you to turn PARAMETERS knob and ↴ marks says to push PARAMETERS knob.
- The PARAMETER indicator flashes when you can use PARAMETERS knob, otherwise this knob used for File Selection.

❽ BPM point display

- Displayed when the BPM value of the "A1" or "A2" point is being calculated.

❾ Visual Marker

- This turns according to the playing status of the different decks.
  Use this as an indicator for scratching and other JOG operations.

❿ Play Position indicators

- **Play position indicator:**
  The 20 dots indicator a visual position marker during normal play. In the reverse play mode, the dots are inverted.
- **End of Message:**
  When the file's end time is below the specified time, the lower section of the play position indicators flashes according to the file's remaining time (EOM), indicating the end of the file.

  ✻ The EOM time can be set in the presets.

⓫ Minute, second and frame displays

- These displays indicate current position information.

⓬ Time mode indicators

- When the TIME button is pushed, the Time mode indicator switches as follows:

ELAPSED:
File's elapsed time is displayed.
REMAIN:
File's remaining time is displayed.
T. ELAPSED:
The total elapsed time of Playlist is displayed.
T. REMAIN:
The total remaining time of Playlist is displayed.

⓭ Device display

- This displays the device currently selected for the different decks.

⓮ Keyboard connection indicator

K B

- This lights when a keyboard is connected.

⓯ Mode display

- Upper section: Displays the current mode of the different decks.
- Lower section: Displays the current playlist name, artist name, etc., for the different decks.

⓰ Play mode indicators

- When SINGLE indicator lights up, playback will finish at end of current file.
- When CONT. indicator lights up, playback continues.

⓱ Database Creation indicator

DBC

- This lights when a database is being created.

⓲ External device connection confirmation indicator

LINK

- This flashes when an external device is connected. When flashing, press the SOURCE button to select the device. (The indicator does not flash when a keyboard is connected.)

⓳ HDD indicator

HDD

- This lights when the HDD is being accessed.

⓴ Track indicator

- When in the playlist playback mode for the different decks, the track at which the play, pause or cue mode is set is displayed here.
  Nothing is displayed when in the file playback mode.

㉑ File data indicator

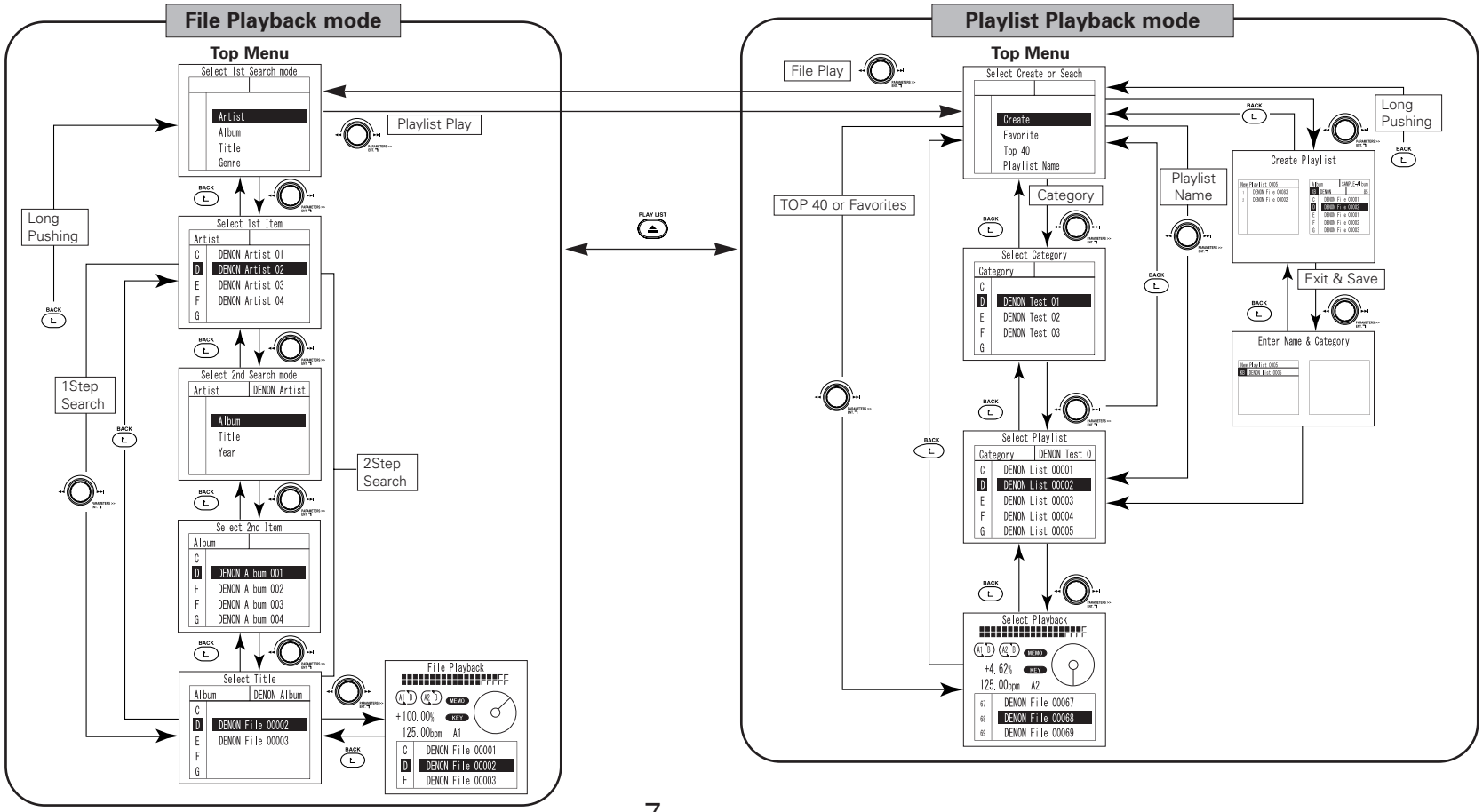
- This indicates the currently selected file format ("WAV" or "MP3") for the different decks. When the currently selected file format is "MP3", the bit rate, etc., is also displayed.

4 SELECTING FILES

The DN-HD2500 offers two types of playback modes, as described below.

- **File Playback mode**
  MP3/WAV files are searched for and selected by artist name, album name, genre, year, BPM, etc., and played in units of files.
- **Playlist Playback mode**
  Playlists created and edited by the user are searched for and selected and the MP3/WAV files registered on that playlist are played. By using playlists, the DN-HD2500 can be operated with the same feel as conventional CDs.
  Up to 1,000 playlists can be created per device. A maximum of 99 MP3/WAV files can be registered on each playlist.

The playback mode is switched using the PLAY LIST button. The mode switches between the file playback mode and playlist playback mode each time the PLAY LIST button is pressed. The playback mode can also be switched by pressing "Playlist Play" or "File Play" on the respective top menus. The playlist playback mode is set when the PLAY LIST button is lit.



■ File Playback mode

In this mode you search for MP3/WAV files on the devices and select them for playback.
One of the search modes below can be used. Two modes can be combined for greater precision.

Search modes

① **1Step Search (Factory Default)**

Search mode
Artist
Album
Title
Genre
Year
BPM
File Name

② **2Step Search**

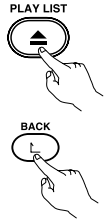
1st Search mode	2nd Search mode
Artist	Album
	Title
	Year
	BPM
Album	–
Title	–
Genre	Artist
	Album
	Title
	Year
	BPM
Year	Artist
	Album
	Title
	BPM
BPM	Artist
	Album
	Title
	Genre
File Name	–

For search modes (Album, Title and File Name) for which no 2nd search mode is indicated, the second search mode cannot be selected. Searching is done in the same way as for 1-step searching.
1-step or 2-step searching can be selected at "15 PRESET (16) Search Step". See "PRESET" on page 23.

Searching procedure

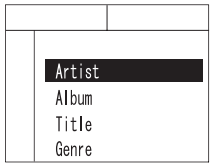
The procedure for performing a file search from the top menu of the file playback mode is as described below.

To top menu

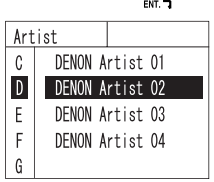


- When in the playlist playback mode:
  In the pause or standby mode, press the PLAY LIST button.
- When in the file playback mode:
  Either press the BACK button several times or long-press the BACK button.

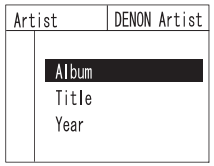
1 At the top menu of the file playback mode, turn the PARAMETERS knob or JOG disc and select "Search mode".
Press the knob again to enter.
✻JOG disc can also be used for all searching steps.



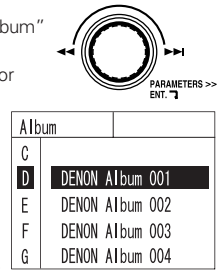
2 (The following is the explanation for when "Artist" is selected at step 1.)
A list of artist names appears on the display. Turn the PARAMETERS knob or JOG disc to select the desired artist name.
Press the knob again to enter.
For a 1-step search, proceed to step 5.



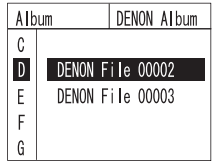
3 (The following is the explanation for when "Artist" is selected at step 1.)
Turn the PARAMETERS knob or JOG disc to select the 2nd search mode (in this case, Album, Title, Year or BPM).
Press the knob again to enter.



4 (The following is the explanation for when "Album" is selected at step 3.)
A list of album names for the artist selected in step 1 appears on the display.
Turn the PARAMETERS knob or JOG disc to select the desired album name.
Press the knob again to enter.



5 A list of titles meeting the search criteria up to this point is displayed. Turn the PARAMETERS knob or JOG disc to select the title to be played.
Press the knob again to enter.



6 Once the title is set to CUE standby

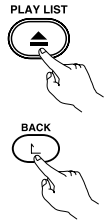
■ Playlist Playback mode

In this mode you search for and select playlist files on the devices and play MP3/WAV files registered on that playlist. You can also create new playlists. Users can give playlists category names at their discretion and use these as search criteria.

✻Playlists can also be created in the edit mode and using a computer management program (DENON DJ Music Manager).

• Playlist Create

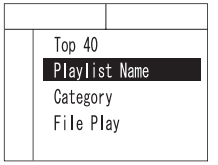
New playlists can be created from the top menu of the file playback mode. The procedure for doing so is described below.



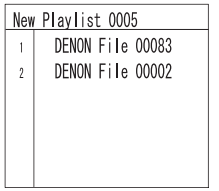
To top menu

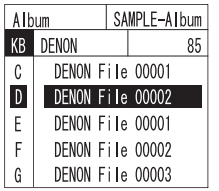
- When in the playlist playback mode:
  In the pause or standby mode, press the PLAY LIST button.
- When in the file playback mode:
  Either press the BACK button several times or long-press the BACK button.

1 At the top menu of the file playback mode, turn the PARAMETERS knob or JOG disc and select "Create".
Press the knob again to enter.
The set enters the mode for creating a new playlist.

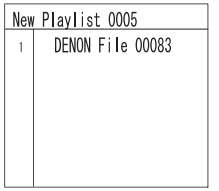


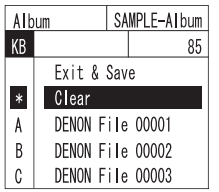
2 Procedure for adding (adding a title to a playlist)
① A list of titles (empty at first) registered in the playlist is displayed on the left of the screen, the file search window is displayed on the right.
② When the title to be added to the playlist is entered at the file search window on the right side of the screen (Refer to "Searching procedure" on page 8), the entered title appears at the bottom of the list of registered titles on the left side.





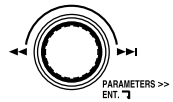
3 Procedure for clearing (clearing titles from playlists)
At the file search window on the right side, turn the PARAMETERS knob or JOG disc and select "Clear" at the top of the list. Press the knob again to enter the selection. The title that was last added is cleared.
The clearing procedure can be performed repeatedly.



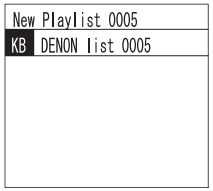


4

Procedure for exiting the clearing mode (saving the playlist)



① At the file search window on the right side, turn the PARAMETERS knob or JOG disc and select "Exit & Save" at the top of the list.



② Press the knob again to enter the selection. The window for entering the playlist name* appears on the left of the screen. Input the characters and enter them. (See "About character input" on page 19).

③ A window for entering the category name** appears on the left of the screen. Input the characters and enter them.

5

The playlist you have created is added to the list of playlists.

✻ **Playlist Name:**
The name of the file in which the various playlist information is stored, determined at the user's discretion.

✻✻ **Category Name:**
Information used to categorize playlists. This information can be used when searching for playlists. Users can determine categories at their discretion, and can classify playlists according to the situation in which they are to be used (for example, "Wedding Party", "Karaoke Party", "Trance Rave", etc.).

Playlist Search

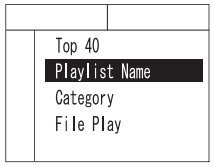
The procedure for searching for playlists from the top menu of the playlist playback mode is described below.

To top menu

- When in the file playback mode:
  In the pause or standby mode, press the PLAY LIST button.
- When in the playlist playback mode:
  Either press the BACK button several times or long-press the BACK button.

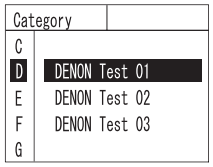
1

At the top menu of the playlist playback mode, turn the PARAMETERS knob or JOG disc and select "Playlist Name" or "Category". Press the knob again to enter.
If you have selected "Playlist Name", proceed to step 3.
If you have selected "Category", proceed to step 2.



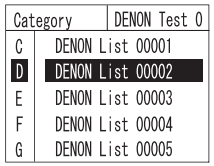
2

The list of category names is displayed on the screen. Turn the PARAMETERS knob or JOG disc to select the category name. Press the knob again to enter.



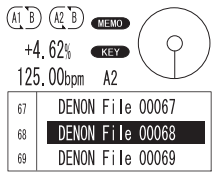
3

A list of playlists meeting the search criteria up to this point is displayed. Turn the PARAMETERS knob or JOG disc to select the playlist. Press the knob again to enter.



4

A list of the titles on the select playlist is displayed. Turn the PARAMETERS knob or JOG disc to select the title to be played. Press the knob again to enter.



5

Once the title is set to CUE standby

About "Top 40" and "Favorites"

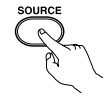
These are preset playlists. Like other playlists, titles can be added and cleared from them at the user's discretion. These can be selected directly from the top menu of the playlist playback mode, allowing you to play your favorite titles without having to perform bothersome search operations.
When edited, the settings are stored automatically, with no need to perform the operations for storing them as required with other playlists.
A maximum of 40 songs can be registered at "Top 40", and up to 99 songs can be registered at "Favorites".

Device change

Searching is only performed within the currently selected device.
To play a playlist or title on another device, or if you cannot find the desired playlist or title on the currently selected device, use the procedure described below to change the device.

1

Press the SOURCE button to display the "SOURCE" selection screen.



2

Turn the PARAMETERS knob or JOG disc to select the device. Press the knob again to enter.

3

The top menu of the selected device is displayed with the playback mode maintained, so you can now search for the playlist or file.

✻ When "PC" is selected, the DN-HD2500 is set to the device mode and is operable from the included "DENON DJ Music Manager" PC application.

■ Text search

Use this procedure to search for titles and albums in the file search or playlist search mode by first letter or by character strings. For example, to select the desired artist name from a list, you can press and turn the PARAMETERS knob and display only artist names beginning with a specific letter, number or symbol (in the order A, B, C ...). When you press and turn and select "E", only artists names starting with "E" are displayed.
If a keyboard is connected, you can also display only artists names starting with letters, numbers or symbols input from the keyboard (maximum 8 characters).

Operating using the PARAMETERS knob

1 Press and turn the PARAMETERS knob or JOG disc at the screen for selecting the name of the artist, album, title, playlist, etc., and select the desired character from the left frame.

Even if a character is input in the keyboard input section, when you press and turn the knob, the selected character (1 character only) is displayed.

2 A list narrowed down to only the names starting with the character selected in step 1 is displayed.

*	All displayed
A ~ Z	Names starting with a letter from "A" ~ "Z"
#	Names starting with a number

3 Like with regular searching, turn the PARAMETERS knob or JOG disc to select a name from the list. Press the knob again to enter.

Operating from a keyboard

1 At the screen for selecting the name of the artist, album, title, playlist, etc., use the keyboard to input the desired letter, number or symbol (maximum 8 characters).
(Refer to "About character input" on page 19.)

2 A list narrowed down to only the names starting with the character(s) selected in step 1 is displayed.

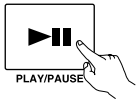
3 Like with regular searching, turn the PARAMETERS knob or JOG disc to select a name from the list. Press the knob again to enter.

If both the operation of pressing and turning the PARAMETERS knob and the operation of inputting from the keyboard are performed, the operation performed last is given priority.

5 BASIC OPERATION

Play and pause

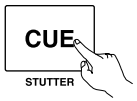
- Each push of the PLAY/PAUSE button switches between playback and pause. PLAY/PAUSE button illuminates solid green during playback and flashes in pause.



- When the PLAY/PAUSE button is pushed during play, the DN-HD2500 pauses playback at that point. Push PLAY/PAUSE button once again and playback resumes.
- Playback will pause when SCRATCH is selected with the JOG MODE button and the JOG disc is held with your hand. Playback resumes when your hand is released.

Play and Cue

- When the CUE button is pushed during playback, the file stops and returns to the original position of which playback started from, the (Cue point). This function is also called Back-Cue. With the Back-Cue function, you can start from exactly same position. The CUE button illuminates solid red when DN-HD2500 is ready to start playback.



- You can set and change Cue point as follows.
  - When you started playback.
  - File select finished.
  - Manual search.

Select the file

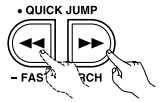
- Turn the PARAMETERS knob or JOG disc.

Move the Cue point

- If you would like to start playback other from the beginning of the file, you need to move Cue Point using fast Search, scan and manual search function.

1

You can move to the approximate playback start position by FAST SEARCH buttons.



[QUICK JUMP]

- If the FAST SEARCH button is tapped shortly, the playback position jumps about 10 seconds. The jump time can be selected in the preset mode from 10, 20, 30 or 60 sec.

[FAST SEARCH]

- When the FAST SEARCH button is pressed and held in, the file/Track is fast-searched.

2

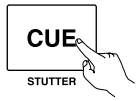
Push the JOG MODE button to set JOG disc to search mode. The JOG MODE button will turn off.

3

Turn the JOG disc to change Cue point. You can hear the short sound of the current Cue point. When JOG disc is turned in the pause, Cue or frame repeat mode, it works as the manual search function.

4

After you found your preferred Cue point, push the CUE button then a new Cue point is set.

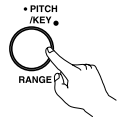


Adjusting the pitch

- With Pitch slider you can adjust the playback speed (Pitch).
- If you would not prefer to change key of sound, use the Key Adjust function.

1

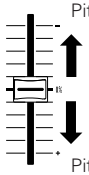
Push the PITCH/KEY button to PITCH indicator lights up.



- PITCH → KEY (key adjust) → OFF

NOTE:
The display will indicate "KEY", when key adjust is ON.

2



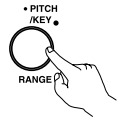
Pitch decreases

Move the Pitch Slider to adjust the pitch. The current pitch setting is displayed on the display.

Pitch increases

3

DN-HD2500 has six pitch ranges, 4 %, 10 %, 16 %, 24 %, 50 % and 100%. When the RANGE button is pushed for more than 1 sec, the pitch range can be selected with the PARAMETERS knob.



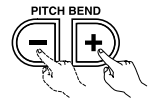
- When the PARAMETERS knob is pushed the pitch range is entered and the pitch range selection mode is cancelled.

Pitch Bend

- With PITCH BEND function you can change pitch temporary. DN-HD2500 has two ways for this function PITCH BEND buttons and JOG disc.

1

[PITCH BEND +/– buttons]



- Push the PITCH BEND button for momentary change of pitch. While holding these buttons down, the pitch continues to change up to the limitation.
- After releasing the PITCH BEND buttons, playback pitch returns to slider setting.

2

[JOG disc]

- When the JOG mode is set to SEARCH/BEND with the JOG MODE button, the playback speed can be changed by turning JOG disc during playback.

Power on play

- When "POWER ON PLAY" is set to "ON" at 15 PRESET "(10) Power On Play", playback starts from the first file on the "Favorites" when the power is turned on.

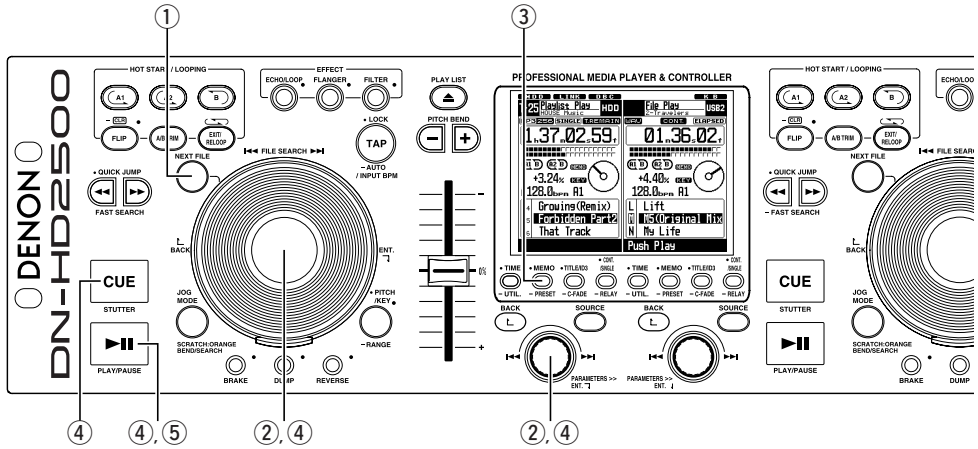
Relay playback

- Relay Play function is a playback mode to continue play files of Deck1 and Deck2 in DN-HD2500.

1	**Start Relay Play** ① Push the RELAY button for more than 1 sec to enable Relay play mode. You can set Relay play mode as below. • If Relay play mode is selected with RELAY button of one side, Relay play will be operated with Deck1 and Deck2. • When Relay play mode is selected, "SINGLE" or "CONT." display flashes. • In the single play mode, when the one Deck playback reaches end of file, another Deck starts playing. • In the continuous play mode, when all files in playlist on one Deck are finished, another Deck starts. • The files/playlists on Deck1 and Deck2 can be played alternately. ✻ The Deck1 and Deck2 can be played overlapping. The overlap playback time can be selected at 15 PRESET "(4) Next File CFade".
2	**Stop Relay Play** ② When the RELAY button is pushed for more than 1 sec while in the Relay play mode, the Relay play mode is turned off.

6 NEXT FILE

- It's now possible to select the next file to be played while continuing playback of the current file without interrupting playback.
  *Crossfade can also be used for a smooth transition.



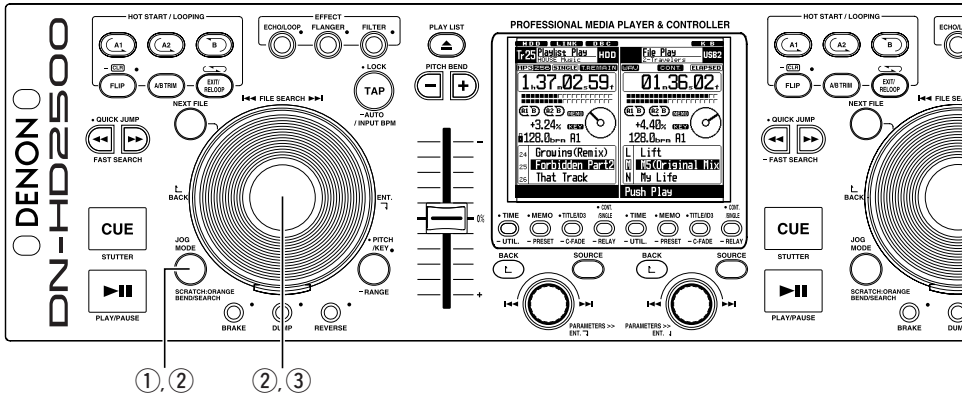
1	**Enter Next File mode** ① When the NEXT FILE button is pushed during playback, the NEXT FILE function is turned on. • When this mode is set, CUE button blink. • When the button is pushed again, the NEXT FILE mode is turned off. • Only files stored on the same device can be selected with the NEXT FILE function.
2-1	**Select the file** ② Turn the PARAMETERS knob or JOG disc and select for the next file to be played.

2-2	**Select the MEMO** ③ The CUE point of MEMO can be selected as NEXT FILE. • When the NEXT FILE with which MEMO is memorized is selected, "MEMO" is displayed on the navigation display. • If the MEMO button is pushed at this time, the CUE point is memorized as the NEXT FILE & point to be selected. • The MEMO will be canceled if another file is selected by PARAMETERS knob or the MEMO button is pushed again.

3	**File search start** ④ When the PARAMETERS knob or JOG disc or the CUE button is pushed after selecting the file, current playback continues as the next file is searched for and the standby mode is set. When the standby mode is set, the CUE button lights up and the PLAY/PAUSE button flashes. • The time display indicates the remaining playback time for data in the memory after CUE is pressed. **NOTE:** The amount of time for which playback of the currently continuing file can be continued is a maximum of 10 seconds from the time searching for the next file starts.
4	**Next File playback start** ⑤ When the PLAY/PAUSE button is pushed, the current playback is stopped and playback of the next file starts. ✻ The currently playing file can be faded out when starting to play a different file. The fade out time can be selected at 15 PRESET "(4) Next File CFade". • If the PLAY/PAUSE button is not pushed after standing by at the next file, when in the CONT. playback mode, playback of the next file starts once all of the currently playing playback data has been played. The same goes for SINGLE playback mode.

7 SCRATCH

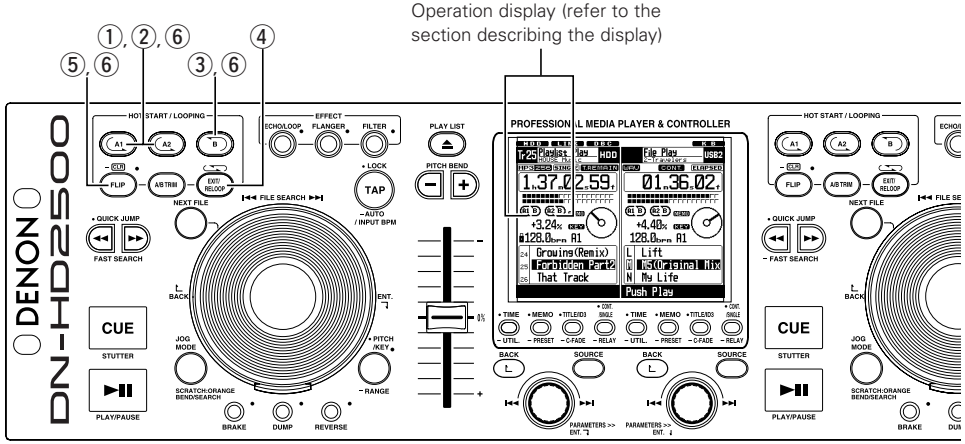
You can Scratch MP3 or WAV files.

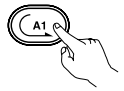
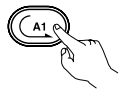
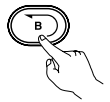


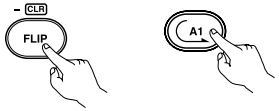
1	**Set the JOG mode** ① Push the JOG MODE button to set JOG disc to scratch mode. The JOG MODE button light up in orange.
2	**[Start the Scratching]** ② When SCRATCH is selected as the JOG MODE and JOG disc is turned by hand, the sound is scratched.
3	**[Stop the Scratching]** ③ When the JOG disc is released, scratch play stops and normal play or pause mode is set.

8 SEAMLESS LOOP/HOT START/STUTTER

Seamless Loop/Hot Start/Stutter (A1, A2 buttons)

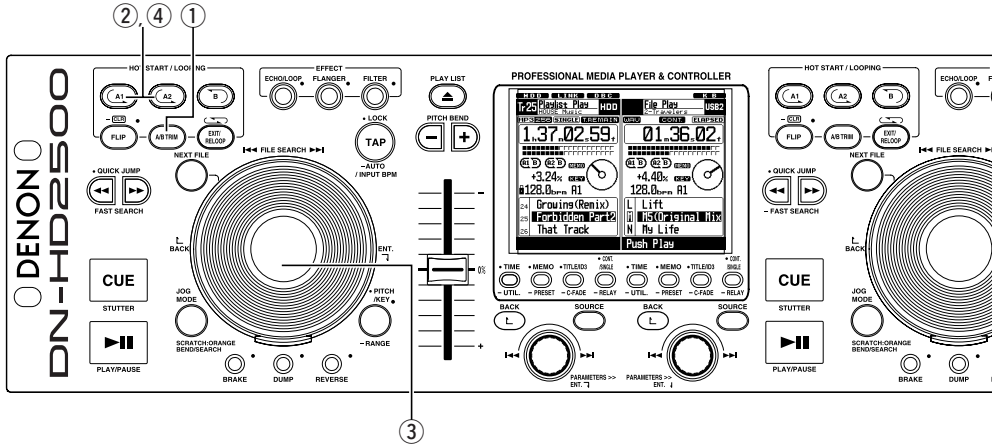


1	**Setting the A point (loading the Hot Start data)** ① Push the A1 or A2 button to set the A point and Hot Start data loading starts. • A1 and A2 buttons can be used separately for each Hot Start. • When an A point is set, the corresponding A button and " " display light and that button is set to the Hot Start mode. • The BPM is set independently for each Hot Start automatically. 
2	**Starts Hot Start** ② When A1 or A2 button is pushed, Hot Start playback starts from the corresponding A point. 
3-1	**Setting the B point for Seamless Loop** ③ When the B button is pushed after setting the A point or after starting Hot start playback, the B point is set and Seamless Loop playback starts from the A point. • The B button works with respect to the A point operated before the B button was pushed. 
3-2	• If the B button is pushed during Seamless Loop playback or after EXIT playback, the B point moves to the point at which the button was pushed. • When the B point is set, the B and " " displays light.
4	**Playing Seamless Loops** • When the B point for A1 is detected after playback started from A1 point, playback returns to A1 point with seamless. While A1 to B looping, B point for A2 ignored. • When the B point for A2 is detected after playback started from A2 point, playback returns to A2 point with seamless. While A2 to B looping, B point for A1 ignored.
5	**Exit/Reloop** ④ In Seamless Loop playback, you can force exit from or return to the loop. **EXIT:** While the Seamless Loop playback, push the EXIT/RELOOP button to exit from loop. DN-HD2500 continues playback after the B point. **RELOOP:** When the EXIT/RELOOP button is pushed after exit the loop, Seamless Loop playback resumes from the A point.

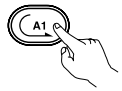
6	**Stutter** • A1 and A2 points can be also used for Stutter playback. ⑤ To enable stutter playback, push FLIP button for A1/A2 buttons, then " ↩ " display turns off. Press the FLIP button to switch between the Hot Start/Seamless Loop and Stutter modes.
7	**Clear the A1/A2 point** ⑥ While pressing the FLIP/(CLR) button, push the A1 or A2 button to clear the corresponding A and B points. Or push the FLIP button for more than 1 sec to clear both A1 and A2 points at once. Quickly pressing the "FLIP" button first and then A1, A2 or B buttons will clear these points individually.  • If the device has been changed in the file playback mode or if the playlist has been changed in the playlist playback mode, the A1 and A2 points are cleared by force.

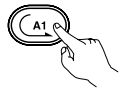
9 A/B TRIM

- The Seamless Loop A and B points can be fine-adjusted using the JOG disc.
- Trim the points during loop playback as a rehearsal.



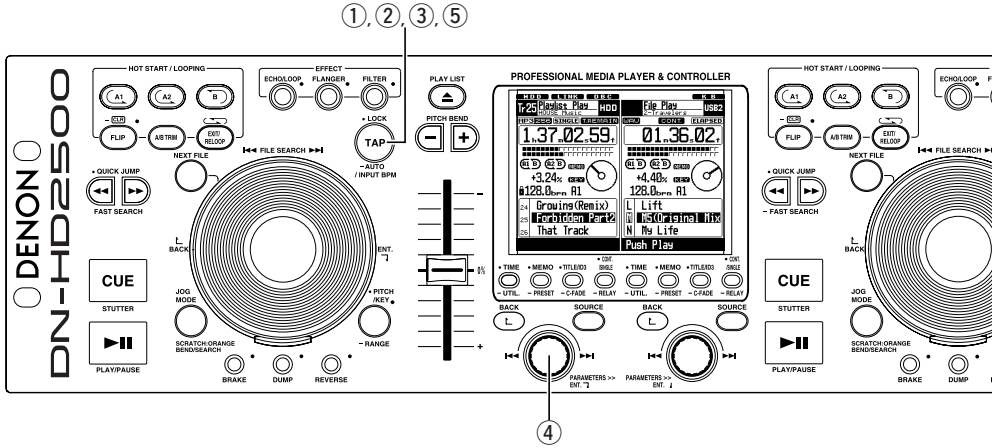
A/B Trim

1	① When the A/B TRIM button is pressed during seamless loop playback, the A/B TRIM mode is turned on. To cancel A/B TRIM mode, press the A/B TRIM button again.
2	**Select A or B point** ② Press the A1 or A2 button to select point A. Press the B button to select point B.  ✻ The loop that can be adjusted is the currently playing loop.
3	**Trim A or B point** ③ Turn JOG disc slowly to move the A or B point 1 frame at a time. • Range for trimming A or B point is limited as follows. ±30 frames of point A and up to 5 frames before point B B point for Loop: Between 5 frames after A point and file end.

4	**Save the A or B point** ④ Push the A button again to save new A or B point, and the unit automatically exit from the A/B Trim mode. 

10 AUTO BPM COUNTER / EFFECTOR

AUTO BPM COUNTER



AUTO BPM COUNTER

Beats per minute (BPM) of a file is measured automatically and displayed during playback or in Cue standby mode.

Measured BPM values are synchronized with the effector parameters such as: (ECHO/LOOP and FLANGER time)

- When Auto BPM counter is off, pushing the TAP button for 1 second, reactivates the AUTO BPM COUNTER to turn back on.
- If you change or select a new file, the old BPM is cleared and the Auto BPM counter starts to detect the new file automatically.

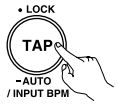
NOTE:

- AUTO BPM COUNTER might not be able to be measured correctly according to the music.
  *If this happens, please use the TAP or Manual in feature.

1

BPM LOCK

The data measured by the Auto BPM counter is locked.

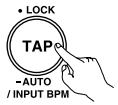


① Push the TAP button once while Auto BPM counter is operating.
"BPM Lock" is displayed for 1 second.

2

TAPPING

The interval when the TAP button is pushed repeatedly is measured and BPM is calculated accordingly.

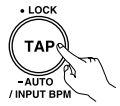


② When you push the TAP button, the Auto BPM counter turns off. Push the TAP button repeatedly about 5 ~ 10 times according to the beat.

3

MANUAL INPUT

The known BPM can be dialed in directly by the numerical value.



③ The BPM manual input mode is available when the TAP button is pushed for more than 2 sec. "Manual In" is displayed is the screen.

④ You can input BPM value directly with the PARAMETERS knob.

✻When you push and turn the PARAMETERS knob, you may also adjust the ".1" area.

3

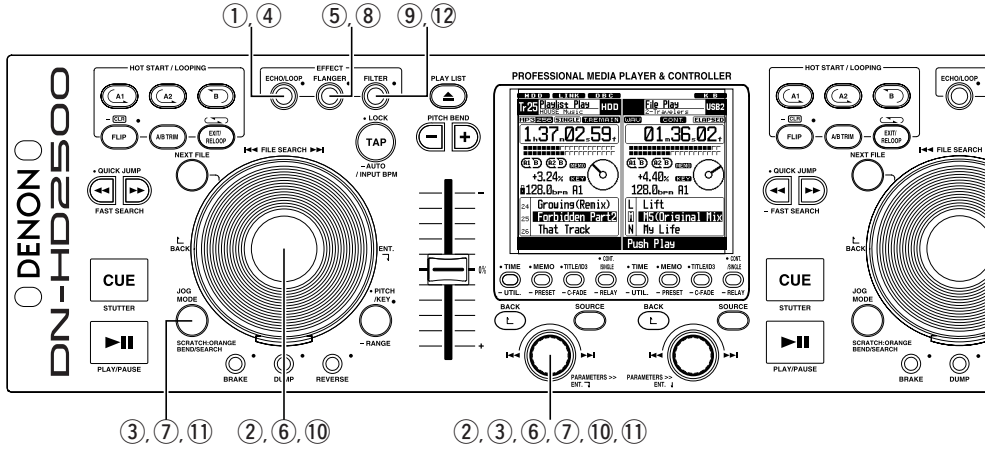
⑤ When the TAP button is pushed again, the BPM manual input mode is saved and the BPM is locked to that value.

NOTE:

- If the MP3 or WAV file contains metadata BPM information, this value is displayed as the default value and the LOCK icon will appear in the screen. You may override the default TAG by AUTO/TAP/MANUAL in as described above.

EFFECTOR

One of the four effects can be selected.



ECHO/LOOP

1-1

ECHO/LOOP ON

① When the ECHO/LOOP button is pressed, the echo/loop function is turned on and the parameter selection mode is set.

*When echo/loop indicator is solid (not blinking), press the ECHO/LOOP button to set the parameter selection mode again.

1-2

Set the parameters

② In the parameter selection mode, the "ECHO/LOOP" and "PARAMETERS" indicator flashes and the echo/loop parameters can be selected with PARAMETERS knob and JOG disc.

Echo Feedback level : JOG disc.
Echo Delay time : PARAMETERS knob.

1-3

Select the LOOP mode

When the feedback level is set to the maximum, loop playback with the specified time begins. File can be search for and the file/Playlist can be replaced during loop playback.

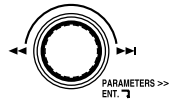
ECHO LOOP FADE OUT

- The parameter mode is turned off while the echo loop is reproducing when the back cue or NEXT FILE is selected at the parameter selection mode.
- When the new track is selected and playback is started, echo loop playback stops by fade out. An echo loop playback and a normal playback can be smoothly replaced.

1-4

Parameter selection mode OFF

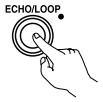
③ When the PARAMETERS knob or the JOG MODE button is pushed, parameter selection mode is canceled.



1-5

ECHO/LOOP OFF

④ When the ECHO/LOOP button is pressed, the echo/loop parameter selection mode is set. If the ECHO/LOOP button is pressed again, the echo/loop function is turned off.



FLANGER

2-1

FLANGER ON

⑤ When the FLANGER button is pressed, the flanger function is turned on and the parameter selection mode is set.

*When the flanger indicator is solid (not blinking), press the FLANGER button to set the flanger parameter selection mode again.

2-2

Set the parameters

⑥ In the parameter selection mode, the "FLANGER" and "PARAMETERS" indicator flashes and the flanger parameters can be selected with PARAMETERS knob and JOG disc.

FLANGER Depth: JOG disc.
FLANGER Delay time: PARAMETERS knob.

2-3

Parameter selection mode OFF

⑦ When the PARAMETERS knob or the JOG MODE button is pushed, parameter selection mode is canceled.

2-4

FLANGER OFF

⑧ When the FLANGER button is pressed, the flanger parameter selection mode is set. If the FLANGER button is pressed again, the flanger function is turned off.

FILTER

3-1

FILTER ON

⑨ When the FILTER button is pressed, the filter function is turned on and the parameter selection mode is set.

*When filter indicator is solid (not blinking), press the FILTER button to set the filter parameter selection mode again.

3-2

Select the parameters

⑩ In the parameter selection mode, the "FILTER" and "PARAMETERS" indicator flashes and the filter parameters can be selected with PARAMETERS knob and JOG disc.

Filter Band width: JOG disc.
Filter types: PARAMETERS knob.

3-3

Parameter selection mode OFF

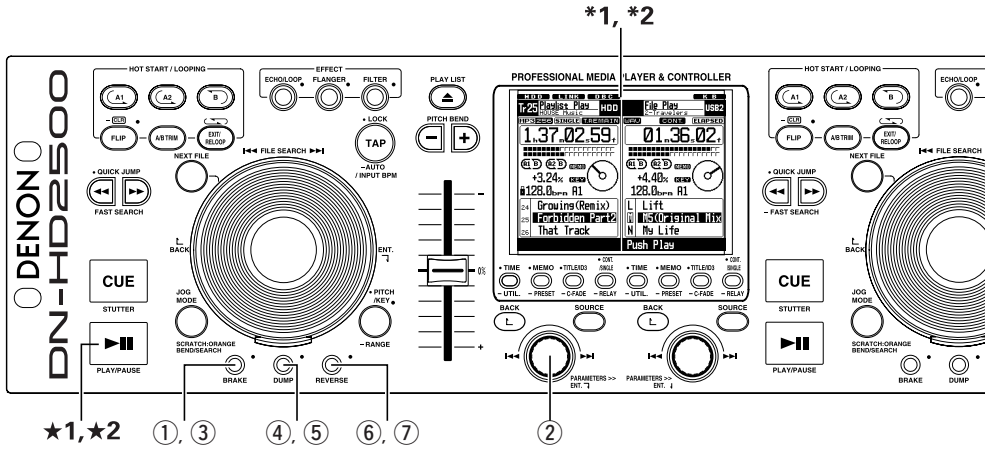
⑪ When the PARAMETERS knob or the JOG MODE button is pushed, parameter selection mode is canceled.

3-4

FILTER OFF

⑫ When the FILTER button is pressed, the filter parameter selection mode is set. If the FILTER button is pressed again, the filter function is turned off.

11 PLATTER EFFECT



BRAKE

1-1 BRAKE

Simulates a winding-down sound of a turntable coming to a full stop slowly.

Set the BRAKE mode

① The BRAKE function can be turned on by pushing the BRAKE button.

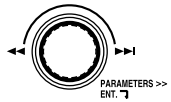
1-2 Select the BRAKE time

When the BRAKE function is turned on, the PARAMETERS and BRAKE indicator flashes for 3 seconds and the BRAKE time is displayed. There is a 3 second "auto parameter exit mode" if no action is taken after the BRAKE button is initially pushed and after the PARAMETERS knob is adjusted.

② The BRAKE time can be selected with the PARAMETERS knob.

- When the PARAMETERS knob is pushed, the time is entered and the BRAKE time selection mode is cancelled.

***1** BRAKE time is displayed on play position indicator.



1-3 Start the BRAKE

★1 The BRAKE is activated when the PLAY/PAUSE (▶II) button is pushed during playback.

1-4 Stop the BRAKE

★2 The BRAKE mode can be cancelled by pressing the PLAY/PAUSE (▶II) button again during this effect.

1-5 BRAKE mode off

③ When the BRAKE button is pressed, the BRAKE time selection mode is set. If the BRAKE button is pressed again during this time, the BRAKE functions is turned off.

DUMP

2-1 DUMP

Reverse playback is performed for the specified time. Plays the sound backwards while continuing in a forward motion without losing "elapsed time" when you return back to normal (forward) play.

Start the DUMP playback

④ The DUMP function can be turned on and Dump playback start by pushing the DUMP button during playback.

2-2 DUMP EFFECT

- Each push of the DUMP button switches between DUMP playback and normal playback.
- The dump play turns off when the Hot Start or stutter is started.

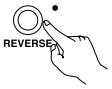
2-3 DUMP mode off

⑤ If the DUMP button is pressed when in the DUMP mode, the DUMP mode is turned off.

REVERSE

3-1 Start the REVERSE playback

⑥ The REVERSE function can be turned on and reverse playback start by pushing the REVERSE button during playback.



3-2 REVERSE EFFECT

- Each push of the REVERSE button switches between reverse playback and normal playback.

***2** Play position indicator lights up in orange during reverse playback.

- The reverse play turns off when the Hot Start or stutter is started.

3-3 REVERSE mode off

⑦ If the REVERSE button is pressed when in the REVERSE MODE, the reverse mode is turned off.

12 MEMO (Custom Setting Memory)

The setting information can be stored in the file. The stored information can be called out of the memory at later time, making it easy to prepare for your mixing.

1. About MEMO

For the memo function, the data that can be stored in the memo differs according to the playback mode.

① For the file playback mode

- The memo data is stored in the MP3/WAV file itself, so once memo data is stored in the file, it can be called out and used when playing the file on a different DN-HD2500.
- The MEMO mode is not set in the following cases:

a) When one of the decks is playing.
b) When the MEMO operation is being executed on the other deck.
c) When the database is being loaded.
d) When the same file is selected on both decks.

- The data stored in the memory is as follows:

a) Cue point
b) A1 and B1 points, A2 and B2 points
c) Playing pitch, pitch on/off, Key Adjust on/off setting
d) BPM data (Cue, A1 and A2 points)
The point data is limited to data within the same file.

- The MEMO indicator on the display lights up when a file for which data is storing within a file is selected.

② For the playlist playback mode

- The memo data is stored in the playlist file itself, so when transporting playlist files in which the memo data has been stored and playing them on a different DN-HD2500, that data can be called out and used.
- Memo data can be stored a total of times equal to the number of files registered in the playlist. For example, if 74 files are registered in a playlist, 74 bits of memo data can be stored in that playlist.
- The data stored in the memory is as follows:

a) Cue point
b) A1 and B1 points, A2 and B2 points
c) Playing pitch, pitch on/off, Key Adjust on/off setting
d) BPM data (Cue, A1 and A2 points)
The A1, A2, B1 and B2 points may be on different files, as long as they are within the playlist. The memo data can be used in the same way as with conventional CDs.

- The MEMO indicator on the display lights up when a file for which data is storing within a file is selected.

2. MEMO MODE SELECT

① Push the MEMO button during Cue mode to enter MEMO mode.
② Turn the PARAMETERS knob to select the various MEMO modes from as follows.
Memo Set (default), Memo Call, Memo Clr
Depending on conditions, some modes cannot be selected.
③ Push the MEMO button again to exit MEMO mode.

(1) Storing data in the memory [Memo Set]

- After making the settings to be storing within a file, then push CUE button.
- When the MEMO indicator in the display is off during Cue mode, push MEMO button to enable Memo set function.
- If the MEMO indicator lights up, it is necessary to clear existing Memo before storing a new Memo.
- At last push PARAMETERS knob to save. You can see "Complete!" message and the MEMO indicator lights up.
- When the Memo Set function cannot be used, check the remaining space on the device. It may not be possible to store data in the memory if there is too little space left.

(2) MEMO CALL [Memo Call]

- When a file for which a memo has been stored is called out, the MEMO indicator flashes for about 5 seconds or less.
- To call out the Memo data, select the file that you made a MEMO. Then the MEMO indicator lights up.
- Push the MEMO button to enable Memo call function.
- When the PARAMETERS knob is pushed in the Memo call mode, all the data stored in the memory is loaded. DN-HD2500 goes to standby mode at the called Cue point.
- When the playing pitch is loaded from the Memo with PITCH indicator flashes, playing Pitch is locked until Pitch Slider comes same Pitch. While playing Pitch is locked, PITCH indicator keeps flashing.

NOTE:

MEMO CALL of MP3 files may not be completed according to the file condition.

(3) 1 MEMO CLEAR [Memo Clr]

- To clear one Memo data, select the file that you stored a MEMO. Then the MEMO indicator lights up.
- Push the MEMO button to enable Memo clear function.
- Turn the PARAMETERS knob until MEMO CLEAR is displayed.
- When the PARAMETERS knob is pushed in MEMO CLEAR mode, the Memo data is cleared and the MEMO indicator on the display turns off.

13 ABOUT CHARACTER INPUT

With the DN-HD2500, when inputting characters for playlist names, etc., the characters can be input either using the PARAMETERS knob or from a keyboard.

- Inputting using the PARAMETERS knob
  Characters can be input by turning and pressing the PARAMETERS knob.
- Inputting using the keyboard
  Characters can be input efficiently in the same way as when operating a computer's keyboard.

✻ When a keyboard is connected, it is not possible to input characters using the PARAMETERS knob.

■ Procedure for inputting using the PARAMETERS knob

• Input the character

1	Select the character to input. Turn the PARAMETERS knob or JOG disc and move the cursor in the character selection section. Set the cursor to the character you want to input.
2	Input the character. Press the PARAMETERS knob or JOG disc. The character selected in step 1 is added at the end of the character input section.

• Clearing characters

1	Select "◀" (Back space). Turn the PARAMETERS knob or JOG disc and move the cursor in the character selection section. Set the cursor to "◀".
2	Clearing characters. Press the PARAMETERS knob or JOG disc. The last character in the character input section is cleared.

• Enter the string of characters you have input

1	Select " ↵ ". Turn the PARAMETERS knob or JOG disc and move the cursor in the character selection section. Set the cursor to " ↵ ".
2	Enter the string of characters you have input. Press the PARAMETERS knob or JOG disc. The string of characters in the character input section is entered and move to the next screen.

■ Procedure for inputting using the keyboard

1	Input the character. When the characters are typed on the keyboard, they are added at the end of the character input section.
2	Clearing characters. Delete characters in the character input section by operating the keyboard's "BACK SPACE" keys.
3	Enter the string of characters you have input. When the keyboard's "ENTER" key is operated, the string of characters in the character input section is entered and move to the next screen.

NOTE:

- The characters usable on the DN-HD2500 are as shown on the diagram below. Note that usable characters differ according to the character input target.

	ID3 Tag	File Name/Playlist Name	ID3 Tag (Genre)
Alphabet	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z
Numbers	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9
Symbols	Space ! " # $ % & ' ( ) * + , – . / : ; < = > ? @ [\ ] ^ _ ` { | } ~	Space ! # $ % & ' ( ) + , – . ; = @ [ ] ^ _ ` { } ~	Space & ( ) + _

14 UTILITY

The DN-HD2500 offers the utilities described below.

- File Edit
  MP3/WAV files stored on the HDD can be deleted.
  Note that MP3/WAV files are deleted from the HDD when they are removed from the database, so be careful when doing so.
- Playlist Edit
  Playlists can be edited, created and deleted.

The main functions:

① **Edit:** Titles can be inserted and deleted from playlists, sorted by title, etc.
② **Create:** New playlists can be created.
③ **Playlist Delete:** Playlists can be deleted. The MP3/WAV files are not deleted when playlists are deleted.

- Database Edit
  A database is created on the USB HDD, etc., so that MP3/WAV files can be searched on the DN-HD2500.
  It is also possible to create simplified databases and to update databases.

■ Setting the Utility mode

① When in the standby or pause mode or when no file is selected, press and hold in the UTIL. button for at least 1 second to enter the Utility mode.
  - The Utility mode cannot be set if the device selected to be operated on one of the decks is "CD".

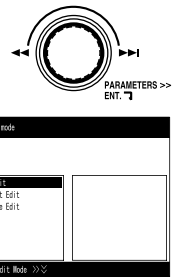
② Use the PARAMETERS knob to select the utility item.
③ Press the UTIL. button to turn the Utility mode off.

■ File Edit

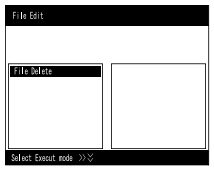
MP3/WAV files on the internal HDD can be deleted.

• Setting the File Edit mode

1 At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "File Edit". Press the knob again to enter.

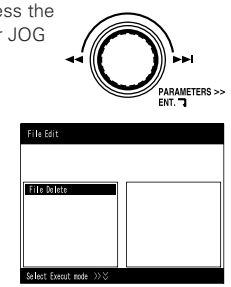


2 The "File Edit" list is displayed.



• Deleting MP3/WAV files

1 At the File Edit list, press the PARAMETERS knob or JOG disc to select and set "Delete".



2 The File Search window is displayed at the left of the screen. Select and set the title (MP3/WAV file) you want to delete.
See "Searching procedure" on page 8.

Album	SAMPLE-Album
KB DENON	85
C	DENON File 00001
D	DENON File 00002
E	DENON File 00001
F	DENON File 00002
G	DENON File 00003

3 A message asking whether you want to delete or not pops up at the bottom left of the screen.

① **When "OK" is selected:**
The title set in step 2 is deleted and the screen returns to as it was in step 1.

② **When "Exit" is selected:**
The title set in step 2 is not deleted and the screen returns to as it was in step 1.

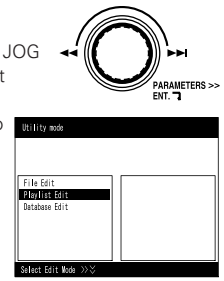
Album	SAMPLE-Album
KB DENON	85
C	DENON File 00001
D	DENON File 00002
OK	
Exit	

■ Playlist Edit

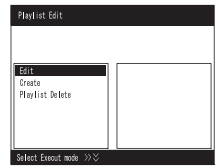
Playlists can be edited, created and deleted.

• Setting the Playlist Edit mode

1 At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Playlist Edit".
Press the knob again to enter.



2 The "Playlist Edit" list is displayed.

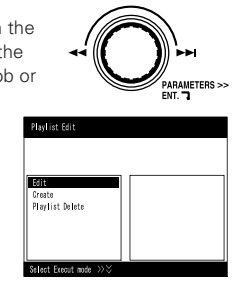


• Editing and creating playlists

1 Editing playlists

① At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Edit". Press the knob again to enter.

② The unit is set to the mode for creating new playlists.



Creating playlists

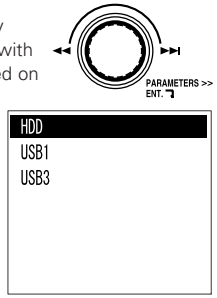
① At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Create".

② The unit is set to the mode for creating new playlists.

2 Selecting the device

① A list of the currently connected devices (with database) is displayed on the left side of the screen.

② Turn the PARAMETERS knob or JOG disc and select the device for which you want to create the playlist.
Press the knob again to enter.
When the playlist create mode was selected, proceed to step 4.



3 Creating playlists (only when "Edit" is selected)

① On the Playlist Search window at the left, select and set the playlist to be edited.
See "Playlist Search" on page 9.

Caregory	SAMPLE
KB DENON	
C	DENON list 00001
D	DENON list 00002
E	DENON list 00003
F	DENON list 00004
G	DENON list 00005

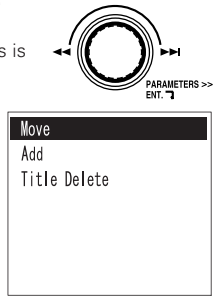
4 Selecting the item to be edited

① A list of editing items is displayed on the left side.

② At the list, turn the PARAMETERS knob or JOG disc to select the item to be edited.

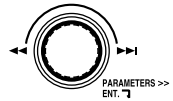
③ After pressing the PARAMETERS knob or JOG disc to enter the setting, proceed to (depending on the editing item selected in ②):

- Move: Step 5
- Add: See "Playlist Create" on page 8.
- Title Delete: Step 6



5

Move (changing the order of the titles)

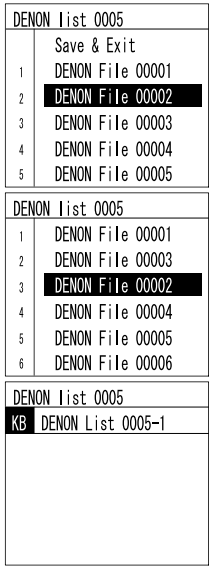


- Note that the memo data stored for the playlist is lost when the move function is used.

① A list of the titles registered in the playlist is displayed on the left side.

② At the list of titles, turn the PARAMETERS knob or JOG disc and select the title to be moved. Press the knob again to enter.

③ Next, turn the PARAMETERS knob or JOG disc and select the position to which you want to move the title. Press the knob again to set that position. The title is moved to the selected position.



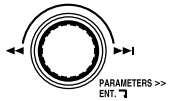
④ To move other titles, repeat steps ②, ③.

⑤ To exit the move mode, turn the PARAMETERS knob or JOG disc, then select and set "Exit & Save" on the list. The "Playlist Name" and "Category Name" input window appears. Input the desired characters in the respective windows as necessary then set them.

See "Playlist Create" on page 8.

6

Title Delete (deleting titles)



① A list of the titles registered in the playlist is displayed on the left side. The File Search window is displayed on the right.

② Turn the PARAMETERS knob or JOG disc and select the title you want to delete. Press the knob again to enter.

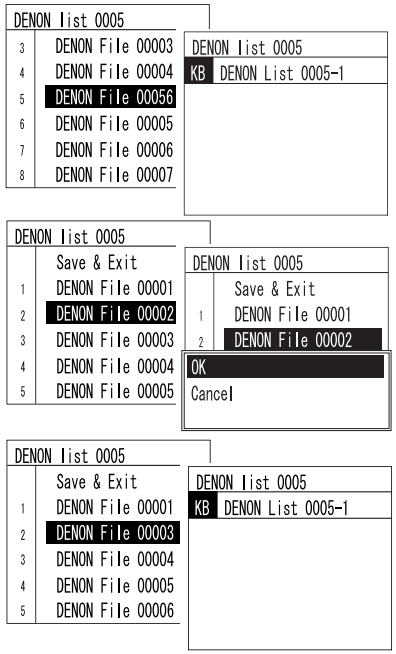
③ A message asking whether you want to delete the title or not pops up at the bottom left of the screen.

- **When "OK" is selected:**
  The title set in step ② is deleted and the screen returns to as it was in step ①.
- **When "Cancel" is selected:**
  The title set in step ② is not deleted and the screen returns to as it was in step ①.

④ To delete other titles, repeat steps ②, ③.

⑤ To exit the title mode, turn the PARAMETERS knob or JOG disc, then select and set "Exit & Save" on the list. The "Playlist Name" and "Category Name" input window appears. Input the desired characters in the respective windows as necessary then set them.

See "Playlist Create" on page 8.



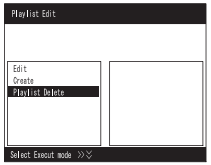
- **Deleting playlists**

1

Deleting playlists

① At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Playlist Delete". Press the knob again to enter.

② The unit is set to the mode for deleting playlists.

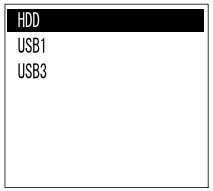


2

Selecting the device

① A list of the currently connected devices (with database) is displayed on the left side of the screen.

② Turn the PARAMETERS knob or JOG disc and select the device on which the playlist you want to delete is stored. Press the knob again to enter.

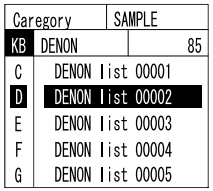


3

Creating playlists

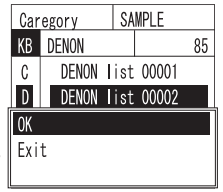
① At the Playlist Search window at the left, select the playlist you want to delete.

See "Playlist Search" on page 9.



4

A message asking whether you want to delete the playlist or not pops up at the bottom left of the screen.



- **When "OK" is selected:**
  The playlist set in step 3 is deleted and the screen returns to as it was in step 1.
- **When "Exit" is selected:**
  The playlist set in step 3 is not deleted and the screen returns to as it was in step 1.

■ Database Edit

A database is created on the USB HDD, etc., so that MP3/WAV files can be searched on the DN-HD2500.

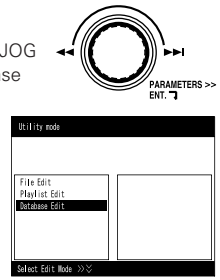
NOTE:

MP3/WAV files stored on devices other than the one for which the database is being created can be played even while the database is being creating. In this case, however, resources are required to process the file playback operation, so the time required to create the database may increase substantially.

Also, when a database is created on a device, the database is reset, so any playlists created for that device are deleted.

• Setting the Database Edit mode

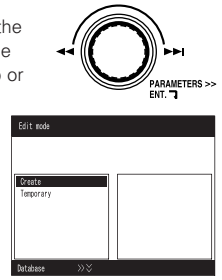
1 At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Database Edit".
Press the knob again to enter.



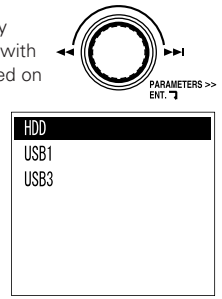
2 The "Database Edit" list is displayed.

• Creating databases

1 Creating databases
① At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Create". Press the knob again to enter.
② The unit is set to the mode for creating databases.



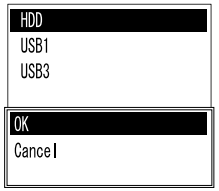
2 Selecting the device
① A list of the currently connected devices (with database) is displayed on the left side of the screen.
② Turn the PARAMETERS knob or JOG disc and select the device for which you want to create the database.
Press the knob again to enter.



NOTE:

It is possible to create databases even for devices for which a database already exists. Doing so, however, creates a new database, so playlists created up to that point are deleted.

3 A message asking whether you want to create the database or not pops up at the bottom left of the screen.

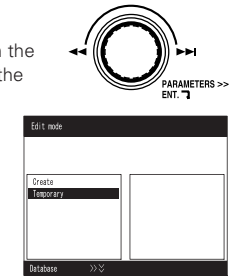


- **When "OK" is selected:**
  Creation of the database for the device set in step 2 starts.
  A progress bar is displayed, showing you the progress of the database creation operation.
  An indicator indicating that a database is being created is displayed even while playing MP3/WAV files.
- **When "Cancel" is selected:**
  No database is created for the device set in step 2 and the screen returns to as it was in step 2.

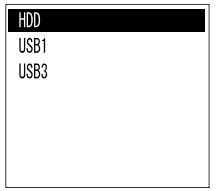
• Creating temporary databases

Use this procedure to create a database searchable by file name only.
This database can be created faster than a full database.
Searching using ID3 Tag data is not possible.

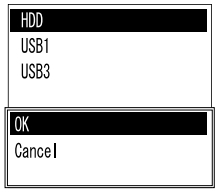
1 Creating temporary databases
① At the top menu in the Utility mode, turn the PARAMETERS knob or JOG disc and select "Temporary". Press the knob again to enter.
② The unit is set to the mode for creating the temporary database.



2 Selecting the device
① A list of the currently connected devices is displayed on the left side of the screen.
② Turn the PARAMETERS knob or JOG disc and select the device for which you want to create a temporary database.



3 A message asking whether you want to create a temporary database or not pops up at the bottom left of the screen.



① **When "OK" is selected:**
Creation of the temporary database for the device set in step 2 starts.
A progress bar is displayed, showing you the progress of the temporary database creation operation.
An indicator indicating that a temporary database is being created is displayed even while playing MP3/WAV files.
③ **When "Cancel" is selected:**
The temporary database for the device set in step 2 is not created and the screen returns to as it was in step 2.

15 PRESET

1. Preset mode

① When in the standby or pause mode, press and hold in the PRESET button for at least 1 second to enter the preset mode.
② Use the PARAMETERS knob to select the preset item.
③ Select the item and press the PARAMETERS knob to set the preset item to be changed.
④ Next, turn the PARAMETERS knob. The preset data is selected.
⑤ Select the data and press the PARAMETERS knob to set the preset data to be changed.
⑥ To make multiple presettings, repeat steps ② ~ ⑤.
⑦ The preset mode is turned off when the PRESET, CUE or PLAY/PAUSE button is pressed.

2. Preset items and data

The "*" mark next to the data indicates the default value.

(1) Cue Mode : DENON* (When the playback is started durnig the Play Pause mode, the Cue point is set.) / Other (When the Cue button is pushed during the Play Pause mode, the Cue point is set.)

(2) Auto Cue : Auto Cue level OFF / – 60 dB / – 54 dB* / – 48 dB

(3) Cross fade Level : OFF / – 60 dB / – 54 dB* / – 48 dB

(4) Next File CFade : OFF / 1 sec / 2 sec / 3 sec* / 4 sec / 5 sec

Select the time for fading out the currently playing file when playback of a new file is started with the next file function.

(5) 3/4 Effect : OFF* / ON

You can use 3/4 beat effects when you select the Echo & Flanger parameter for the effector.

(6) Jump Time : 10 sec* / 20 sec / 30 sec / 1 min

Select the jump time of Quick Jump.

(7) Pitch Range : ±4 % / ±10 %* / ±16 % / ±24 %

Select the playing pitch range when the power is turned on.

(8) EOM Time : File end warning message alert time.

(OFF / 10sec* / 15 sec / 20 sec / 30 sec / 60 sec / 90 sec)

(9) Fader Mode (FADER START MODE) : 2L P/Cue* / 2L P/Pas / 1L P/Cue / 1L P/Pas

Select 2-line type (Play / Cue) or 2 line type (Play / Pause) or 1 line type (Play / Cue) or 1 line type (Play / Pause).

(10) Power On Play : ON / OFF*

Playback starts when the power is turned on.

(11) Pitch : Pitch ON* / Key AdjON (KEY ADJUST ON) / Pitch OFF

Select the pitch mode when the power is turned on.

(12) Play Mode (SINGLE / CONTINUOUS / SINGLE PLAY LOCK) : Single / Cont. / Play Lock*

Select the play mode when the power is turned on.

(13) Time Mode : Elapsed* / Remain

Select the time mode when the power is turned on.

(14) TT Tricks : ON / OFF*

Select the JOG operation when you scratch in the BRAKE mode.

(15) Audio Curve : ON* / OFF

Select "OFF" for Serato Scratch Live or other "control signal" programs.

For more information about Serato™, products please visit their website "www.scratchlive.net".

(16) Search Step : 1step* / 2step

Select the number of steps for file searching when the power is turned on.

(17) Playback Mode : File* / Playlist

Select the playback mode set when the power is turned on.

(18) File Search : Select the search mode set when the power is turned on. The preset data differs according to the playback mode.

When the playback mode is set to "File" : Artist* / Album / Title / Genre / Year / BPM / File Name

(19) Playlist Search : Select the search mode set when the power is turned on. The preset data differs according to the playback mode.

When the playback mode is set to "Playlist" : Create* / Favorites / Top40 / Playlist Name / Category

(20) Device : HDD* / USB1 / USB2 / USB3 / USB4 / CD

Select the device to be operated when the power is turned on.

(21) Ext Model : DN-D4500* / DN-D4000

Select the name of the model to be connected to the DRIVE terminal and controlled.
The BU4500 is the same as the DN-D4500's drive, so the PRESET setting is "DN-D4500".

(22) LCD Contrast : 0 ~ 100 (default value : 40)

Set the LCD's contrast.

(23) Version No. : The DN-HD2500's software version is displayed. (SYSTEM / DSP)

(24) Preset Init : Set all the preset data back to the factory defaults.

① To clear the PRESET data, push the PARAMETERS knob.
"Preset Int?" flashes on the character display.
② Push the PARAMETERS knob again.
"Preset Initial!" is displayed on the character display while data clearing.
③ Once clearing is completed, "Complete!" is displayed.

16 COMPATIBLE FILES

NOTE:

- Depending on the type of MP3 encoding software, with some files noise may be generated or it may not be possible to play the file.
- Recordings you make are for your personal use and should not be used in ways infringing upon the copyright holder as per copyright laws.

MP3/WAV FORMAT

MP3 Format	MPEG-1	Audio Layer-3 40-320 kbps, f/s 44.1 kHz, STEREO
	ID-3 Tag	V1.0, V1.1, V2.2, V2.3, V2.4 (ASCII + ISO8859-1 (West European))
	Encording	C.B.R, V.B.R
WAV Format	PCM	16bit f/s 44.1kHz
	Metadata Tag	Supported
NOTE: ① .m3u and .xml playlists are supported only through DENON DJ Music Manager.		

17 SPECIFICATIONS

GENERAL

Type:	MP3/WAV media player
Media type:	Internal HDD (40GB) USB mass storage device (USB-HDD, USB Flash Memory) CD (DN-D4500/4000/BU4500)
Dimensions:	482 (W) x 132 (H) x 110 (D) mm (without feet) 18-31/32" (W) x 5-13/64" (H) x 4-3/8" (D)
Installation:	19-inch rack mountable 3U
Mass:	4.1 kg (9 lbs 1 oz)
Power supply:	U.S.A., Canada models: 120 V AC ±10 %, 60 Hz European models: 230 V AC ±10 %, 50 Hz
Power consumption:	18 W
Environmental conditions:	Operational temperature: 5 ~ 35 °C (41 ~ 95 °F) Operational humidity: 25 ~ 85 % (no condensation) Storage temperature: –20 ~ 60 °C (4 ~ 140 °F)

AUDIO SECTION

Quantization:	16-bit linear per channel
Sampling frequency:	44.1 kHz at normal pitch
Oversampling rate:	8 times
Total harmonic distortion:	0.01 % or less (1 kHz)
Signal to noise ratio:	100 dB or more (A-weighted)
Channel separation:	100 dB or more (1 kHz)
Frequency response:	20 Hz ~ 22 kHz
Analog output	
Output level:	2.0 V r.m.s.
Load impedance:	10 kΩ/kohms or more
Digital output	
Signal format:	IEC958-Type2
Output level:	0.5 Vp-p 75 Ω/ohms

FUNCTIONS

Instant start:	Within 20 msec.
Variable pitch:	±4 % (0.02 % pitch), ±10 % (0.05 % pitch), ±16 % (0.05 % pitch) ±24 % (0.1 % pitch), ±50 % (0.5 % pitch), ±100 % (1.0 % pitch)
Pitch bend:	Pitch range ±4 % ~ ±24 % :±32 % Pitch range ±50 %, ±100 % :±99 %
Search precision:	1/75 sec. (1 subcode frame)
Max. number of files:	50,000 files/device
Max. number of Playlist:	1,000 files/device

✻ Specifications and design are subject to change without notice for purpose of improvement.

D&M Holdings Inc.

PROFESSIONAL BUSINESS COMPANY

TOKYO, JAPAN
http://www.dm-pro.jp

Professional Business Company, D&M Holdings Inc.
HOI-003